Service Manual

International

Millennium 2

MILLENNIUM 2 SERIES

Public Use
Wheelchair Lifts

Series AA

THE BRAUN CORPORATION

www.braunability.com/international ISO 9001:2008
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36500 Rev. A
December
2012

Original Instructions

CE

Congratulations

We at The Braun Corporation wish to express our fullest appreciation on your new purchase. With you in mind, our skilled craftsmen have designed and assembled the finest lift available.

This manual provides maintenance and service-related material. Braun Millennium 2 Series™ lifts are built for dependability and will provide years of pleasure and independence as long as the lift is properly maintained and operated by an instructed person.

Sincerely,
THE BRAUN CORPORATION

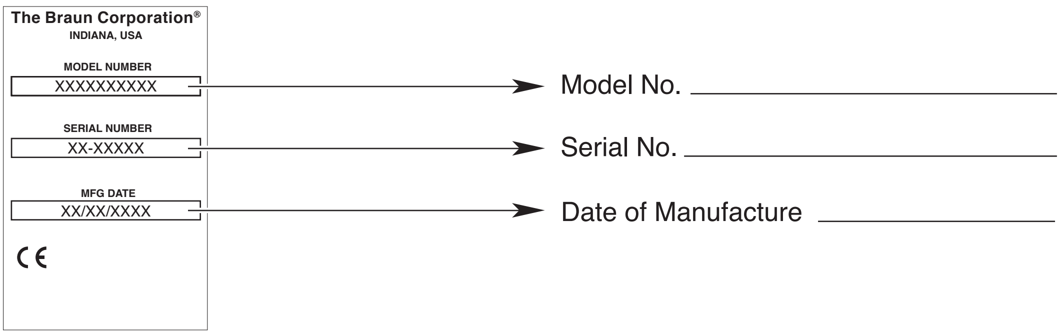


Ralph W. Braun
Chief Executive Officer

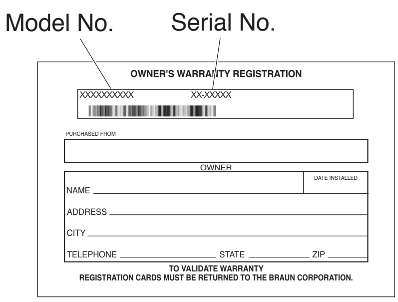
Warranty

Consult your local Braun dealer regarding warranty policy.

www.braunlift.com/international



Sample Serial No./Series No. Identification Tag



Sample Warranty/Registration Card

Contents

Document Cross Reference

Owner Manual #36499

Service Safety Precautions

Safety Symbols

SAFETY FIRST! Know That....

A The information contained in this manual and supplements (if included), is provided for your use and safety. Familiarity with proper installation, operation, maintenance and service procedures is necessary to ensure safe, troublefree lift operation. Safety precautions are provided to identify potentially hazardous situations and provide instruction on how to avoid them.

B **⚠WARNING**

This symbol indicates important safety information regarding a potentially hazardous situation that could result in serious bodily injury and/or property damage.

C **⚠CAUTION**

This symbol indicates important information regarding how to avoid a hazardous situation that could result in minor personal injury or property damage.

D **NOTICE** Additional information provided to help clarify or detail a specific subject.

E 
This symbol indicates that there are dangerous high voltages present inside the enclosure of this product. To reduce the risk of fire or electric shock, do not attempt to open the enclosure or gain access to areas where you are not instructed to do so. Refer servicing to qualified service personel only.

F 
This symbol indicates that a condition where damage to the equipment resulting injury could occur if operational procedures are not followed. To reduce the risk of damage or injury, refer to accompanying documents, follow all steps or procedures as instructed.

G 
This symbol indicates that a condition where injury or damage could occur if contact is made with the hot surface.

H 
This symbol indicates an area to avoid bodily contact to prevent injury.

I 
This symbol indicates the presence of high pressure hydraulic hoses. Use appropriate personal protective equipment when working on hydraulic system.

J 
This symbol indicates the presence of a fire hazard. Avoid open flames or sparks when working with flammable materials to prevent injury or damage.

These symbols will appear throughout this manual as well as on the labels posted on your lift.
Recognize the seriousness of this information.

Service Safety Precautions

Service Safety Precautions

⚠WARNING

If maintenance or repair procedures cannot be completed exactly as provided in this manual or if the instructions are not fully understood, contact The Braun Corporation immediately. Failure to do so may result in serious bodily injury and/or property damage.

⚠WARNING Read this manual, supplement(s) and operating instructions decals before performing installation, operation or service procedures.

⚠WARNING Use appropriate personal protective equipment when servicing the lift.

⚠WARNING Do not fold or unfold the platform prior to positive securement of base plate mounting hardware.

⚠WARNING Check for obstructions such as gas lines, wires, exhaust, etc. before drilling or cutting on vehicle.

⚠WARNING Route all cables clear of exhaust system, other hot areas, moving parts, wet areas, etc.

⚠WARNING Risk of electrical shock or fire! Use extra care when making electrical connections. Connect and secure as outlined in Installation Instructions and Wiring Diagrams.

⚠WARNING Adjust platform angle and floor level positioning of bridge plate before operating lift with passenger.

⚠WARNING Maintenance and repairs must be performed only by authorized service personnel.

⚠WARNING Perform maintenance and lubrication procedures exactly as outlined in the Maintenance and Lubrication Schedule contained in this manual.

⚠WARNING Disconnect the power cable at the battery prior to servicing.

⚠WARNING Never modify (alter) a Braun Corporation lift.

⚠WARNING Replacement parts must be Braun authorized replacements.

⚠WARNING Never install screws or fasteners (other than factory equipped).

⚠WARNING Whenever replacing a hydraulic cylinder or seals, lower platform fully.

⚠WARNING Failure to follow these safety precautions may result in serious bodily injury and/or property damage.

Specifications

The lift must be installed, operated, and maintained as detailed in applicable manuals. Any use of equipment other than instructed in this manual is prohibited.

The 363kg (800 lb.) lift capacity Millennium -2 series lifts have completed 15,600 cycles with a 363kg load and a static load test with a 1090kg (2400 lb.) load.

The 272kg (600 lb.) lift capacity Millennium-2 series lifts have completed 15,600 cycles with a 272kg load and a static load test with a 816kg (1800 lb.) load.

The specifcations below reflect CE standards. Lifts meet or exceed these requirements.

Operating Temperature

This equipment will operate in its intended ambient at a minimum between -30ºC and +65ºC.

Relative Humidity

This equipment will operate correctly within an environment at 50% RH, at 40ºC.

Altitude

This equipment will operate correctly up to 1000m above mean sea level.

Sound Pressure Level

The emission sound pressure level at the operator's position is expected not to exceed 70 db(A).

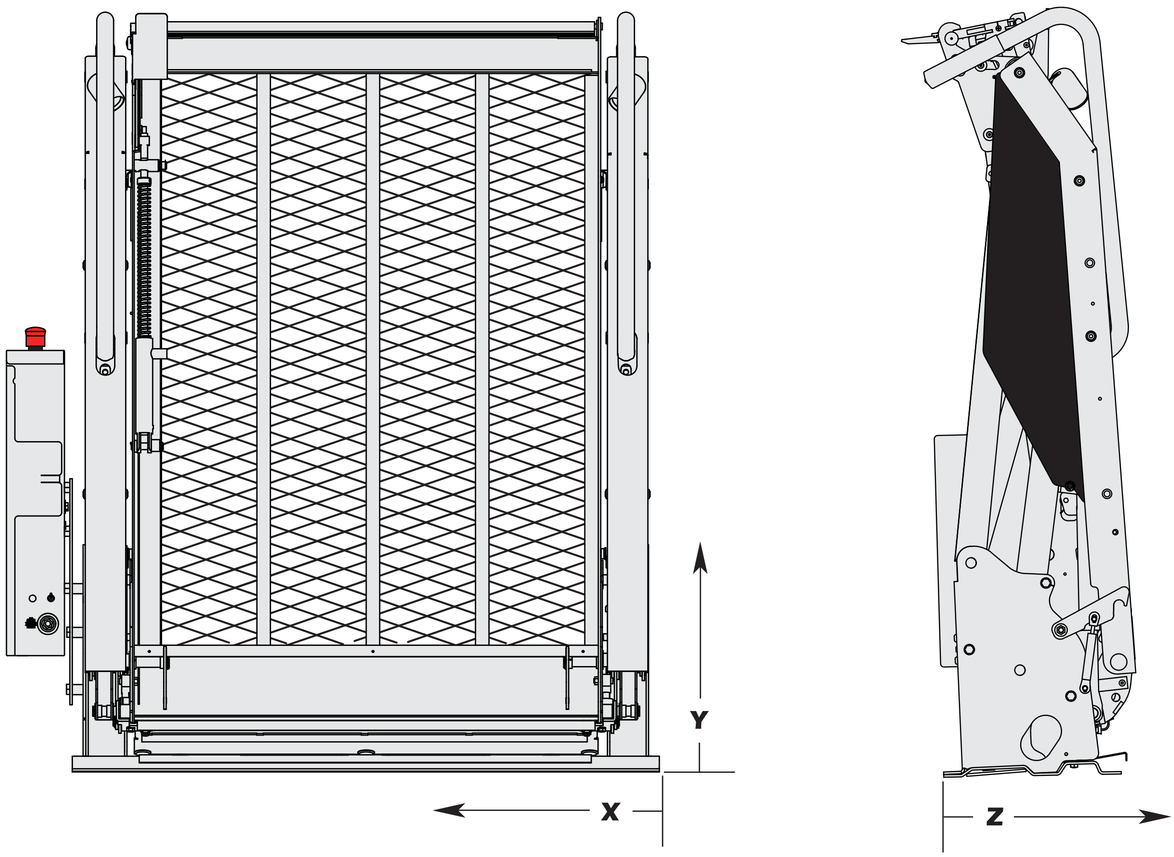
Transportation and Storage

This equipment will withstand, or has been protected against, transportation and storage temperatures of -25ºC to +55ºC, and for short periods of up to +70ºC.

The lift has been packaged to prevent damage from the effects of normal humidity, vibration, and shock.

Lift Model	Maximum Load Capacity	Power Requirement	Lift Weight
L917FIB3454RP-2	363kg (800lbs)	12 VDC	167kg (369lbs)
L917FIB3751RP-2	363kg (800lbs)	12 VDC	170kg (375lbs)
L917IB3454RP-2	363kg (800lbs)	12 VDC	167kg (369lbs)
L917IB3751RP-2	363kg (800lbs)	12 VDC	170kg (375lbs)
L918IB3443RP-2	363kg (800lbs)	12 VDC	152kg (334lbs)
L919FIBRP-2	363kg (800lbs)	12 VDC	164kg (362lbs)
L919IBRP-2	363kg (800lbs)	12 VDC	164kg (362lbs)
L927FIB3454RP-2	363kg (800lbs)	24 VDC	167kg (369lbs)
L927FIB3751RP-2	363kg (800lbs)	24 VDC	170kg (375lbs)
L927IB3454RP-2	363kg (800lbs)	24 VDC	167kg (369lbs)
L927IB3751RP-2	363kg (800lbs)	24 VDC	170kg (375lbs)
L929FIBRP-2	363kg (800lbs)	24 VDC	164kg (362lbs)
L929IBRP-2	363kg (800lbs)	24 VDC	164kg (362lbs)
L990IB2740-2	272kg (600lbs)	12 VDC	138kg (305lbs)

Center of Gravity

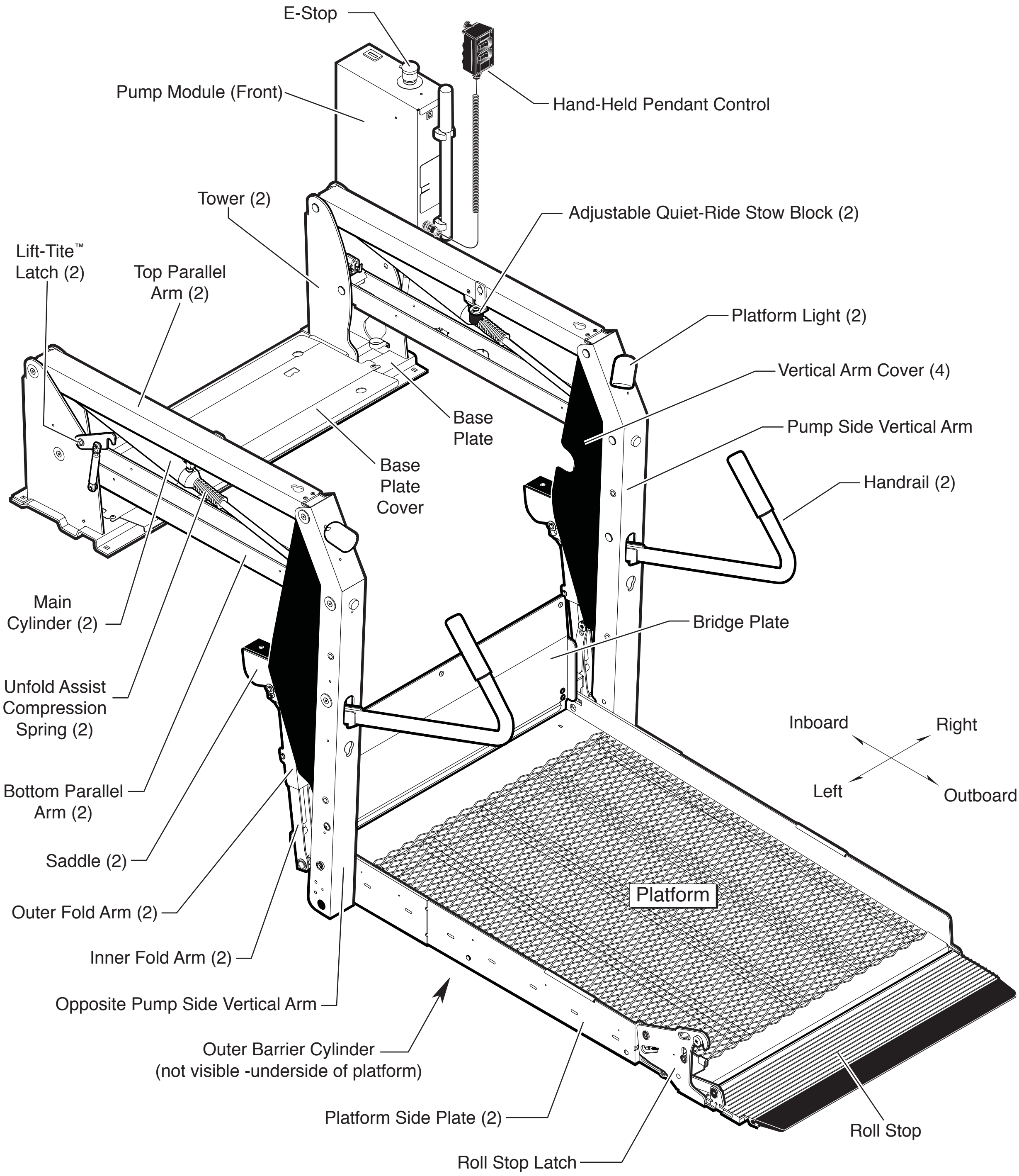


Center of Gravity is the intersection of X, Y, and Z.

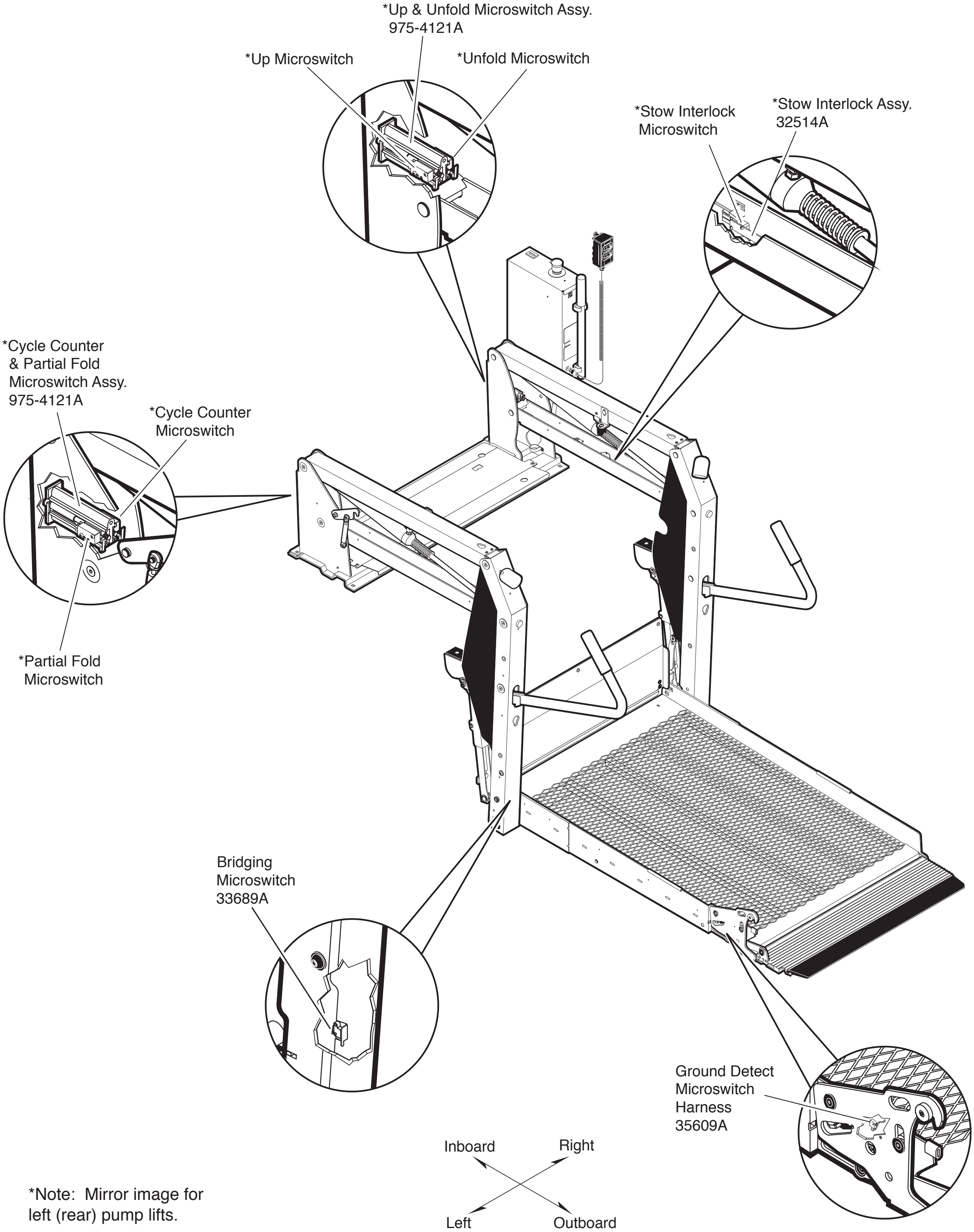
Notice: X must be measured from opposite pump side as shown.

Lift Model	X (cm)	Y (cm)	Z (cm)
L917FIB3454RP-2	64.84	60.20	21.37
L917FIB3751RP-2	68.35	57.15	21.37
L917IB3454RP-2	64.84	60.20	21.37
L917IB3751RP-2	68.35	57.15	21.37
L918IB3443RP-2	64.84	45.97	21.37
L919FIBRP-2	64.84	57.15	21.37
L919IBRP-2	64.84	57.15	21.37
L927FIB3454RP-2	64.84	60.20	21.37
L927FIB3751RP-2	68.35	57.15	21.37
L927IB3454RP-2	64.84	60.20	21.37
L927IB3751RP-2	68.35	57.15	21.37
L929FIBRP-2	64.84	57.15	21.37
L929IBRP-2	64.84	57.15	21.37
L990IB2740-2	55.14	48.26	18.46

Lift Terminology



Switch and Sensor Locations



*Note: Mirror image for left (rear) pump lifts.

Platform Fold Pressure Adjustment



1. See Tower 4 (Fold) Switch Adjustment in the Tower Microswitch Adjustment section for proper microswitch setting before adjusting the platform fold pressure.
2. Position the platform at the floor level loading position.
3. Loosen the hex nut on the adjustment screw (do not remove hex nut).
4. Turn the adjustment screw counter clockwise until the platform does not fold when the Fold button is pressed.
5. Turn the adjustment screw clockwise in 1/4 turn increments and press the Fold button until the platform folds completely. Note: Return the platform to floor level position after each attempt to fold the platform.
6. Turn the adjustment screw an additional 1/8 turn after the platform folds successfully.
7. Tighten the hex nut without moving the adjustment screw.
8. Verify the platform will not stow while occupied.

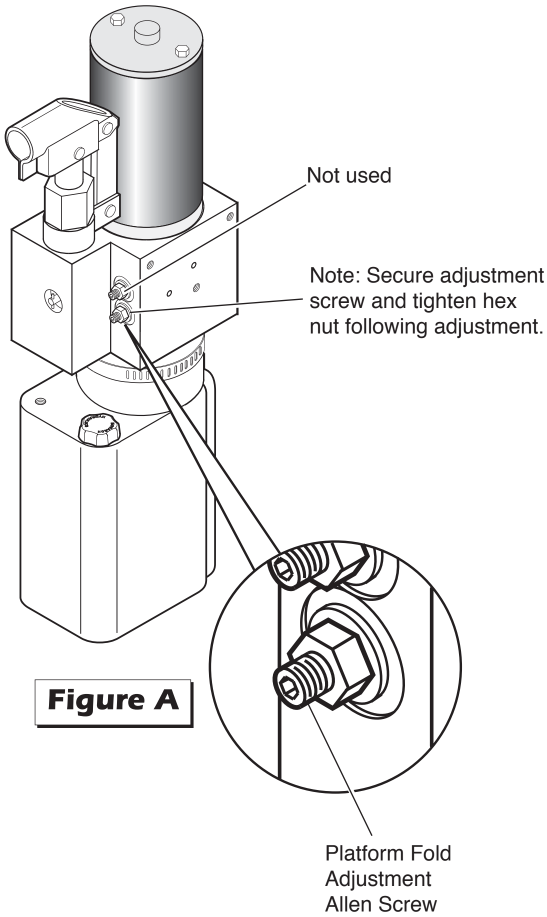


Figure A

Platform Angle Adjustment



Lowering Sequence Requirements

1. The outboard end (toe) of the platform must contact the ground first to ensure the spring-loaded outer barrier unfolds fully. See Figure B.

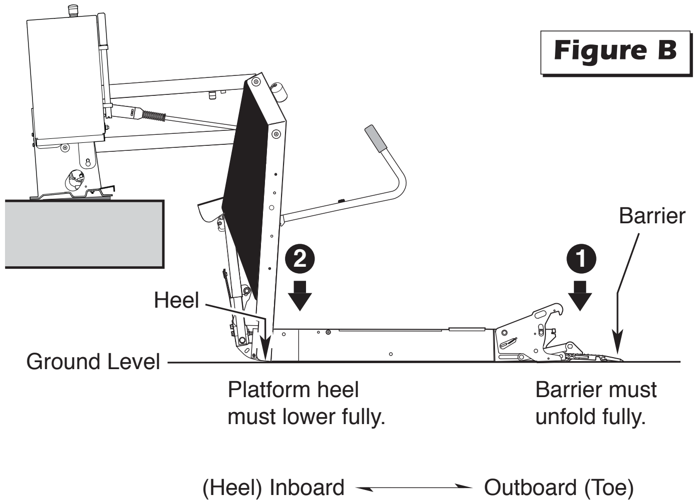
2. The inboard end (heel) of the platform must lower fully (vertical arms must contact ground when fully lowered). See Figure B.

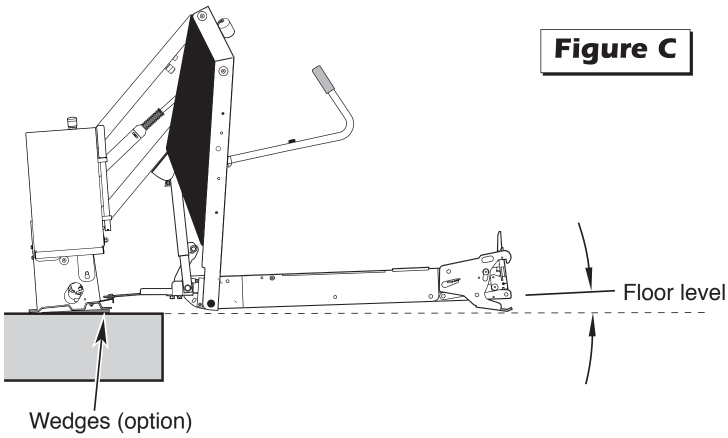
The angle of the platform at ground level directly affects the angle of the platform when positioned at floor level.

Raise the platform to floor level. Note the angle of the platform.

The platform at floor level should have a slight upward angle as shown in Figure C.

Adjust platform angle as detailed below.





Adjustment Procedure:

Platform angle adjustment Allen screws are provided on each side of the platform (see photo at right).

Turn adjustment screws clockwise to raise the outboard end of the platform. Turn adjustment screws counterclockwise to lower the outboard end of the platform.

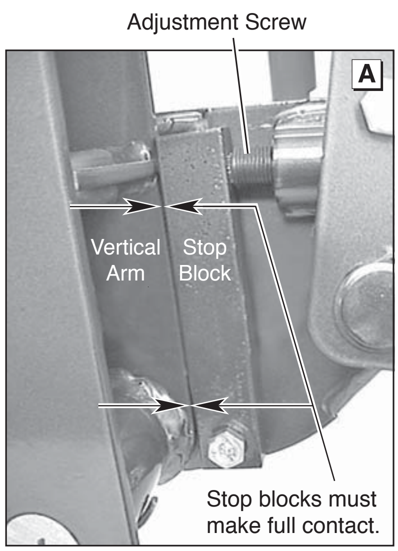
Both adjustment screws must be adjusted equally.

Platform Stop Blocks: When adjusting platform angle, ensure both stop blocks are making full contact with the vertical arms (see photo at right).

Floor Level Adjustment:

Following platform angle adjustment, set floor level positioning as detailed in Tower Microswitch Adjustment.

Check platform angle again after performing Tower Microswitch Adjustment procedures.



Tower Microswitch Adjustment





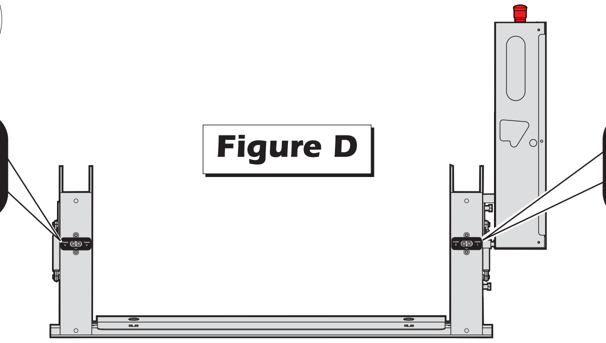
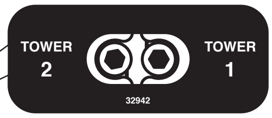


Figure D



Review adjustment procedures below and adjust as needed only.

Left (rear) pump lift depicted. Right (front) pump lift is a mirrored image.

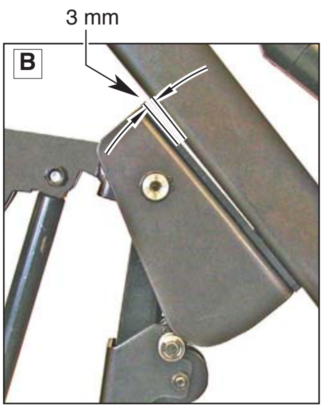
Tower 1 (Unfold) Switch Adjustment
Floor Position from Stow

1. Position platform at the fully stowed position using the manual hand pump or pendant control.
2. Turn switch adjustment screw clockwise 3 full turns.
3. Press pendant UNFOLD switch (continue pressing switch until platform stops unfolding).
4. When platform stops unfolding, turn switch adjustment screw counterclockwise while pressing the pendant UNFOLD switch. Platform position will change. Repeat adjustment until criteria below is met.

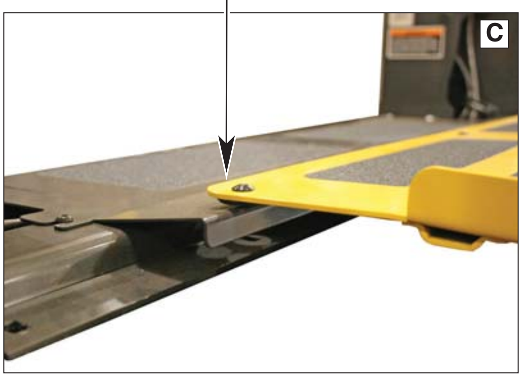
Proper Adjustment Criteria:
- Bridge plate should just rest on base plate cover. See Photo C.
- Should be an approximate 3 mm clearance between outboard end of rotating pivot slide arm saddle and the lower parallel arm. See Photo B.

Tower 2 (Up) Switch Adjustment
Floor Position from Below Floor

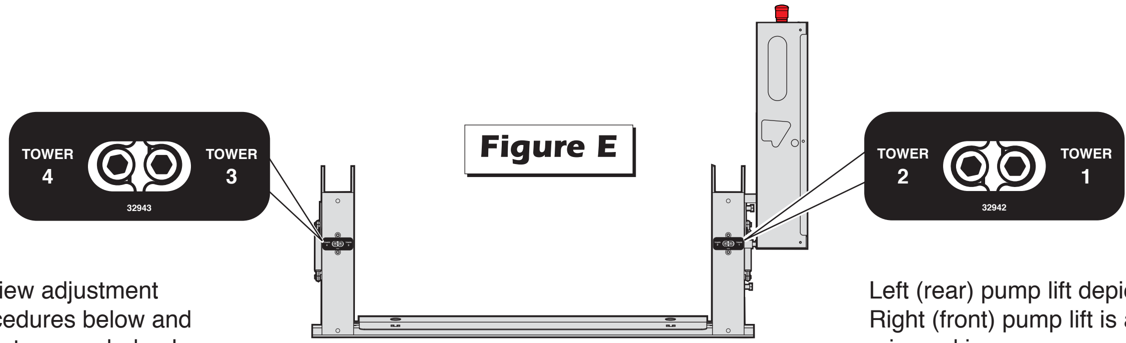
1. Lower platform a minimum of 15.25 cm below floor level position using the manual hand pump or pendant control.
2. Turn switch adjustment screw counterclockwise 3 full turns.
3. Press pendant UP switch (continue pressing switch until platform stops).
4. When platform stops, turn switch adjustment screw clockwise while pressing the pendant UP switch. Platform position will change. Adjust platform to meet criteria listed for Tower 1 Switch "Proper Adjustment Criteria".



Bridge plate should rest on base plate cover.



Tower Microswitch Adjustment



Review adjustment procedures below and adjust as needed only.

Left (rear) pump lift depicted. Right (front) pump lift is a mirrored image.

Tower 3 (Count) Switch Adjustment
Cycle Counter Switch

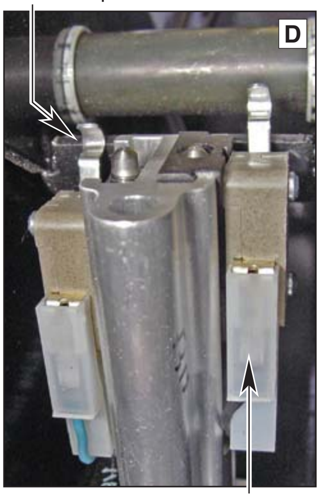
1. Position platform approximately 25 mm below floor level position using the pendant control.
2. View the Tower 3 microswitch inside the lift tower (see Photo D). Turn switch adjustment screw counterclockwise until microswitch no longer contacts the activation plate.
3. Observe the cycle count number on the LCD display. Slowly turn switch adjustment screw clockwise until the microswitch activates (clicks) and the number on the cycle counter LCD has changed.

Tower 4 (Fold) Switch Adjustment
Partial Fold

1. Position platform at 45˚ angle using the manual hand pump or pendant control.
2. View the Tower 4 microswitch inside the lift tower (see Photo D). Turn the switch adjustment screw in or out as needed until the radius of the microswitch blade rides on the apex of the activation plate.
3. Verify proper adjustment. Criteria below must be met.

   Proper Adjustment Criteria:
   - Apply pressure (push down) on outboard end of platform by pressing the hand pendant FOLD switch. The platform should not fold (stow) with light pressure applied.
   - When folding fully, the platform should stow tightly (snug with stow blocks).

Radius of Tower 4 microswitch blade activated by apex of activation plate.



Tower 3 Microswitch

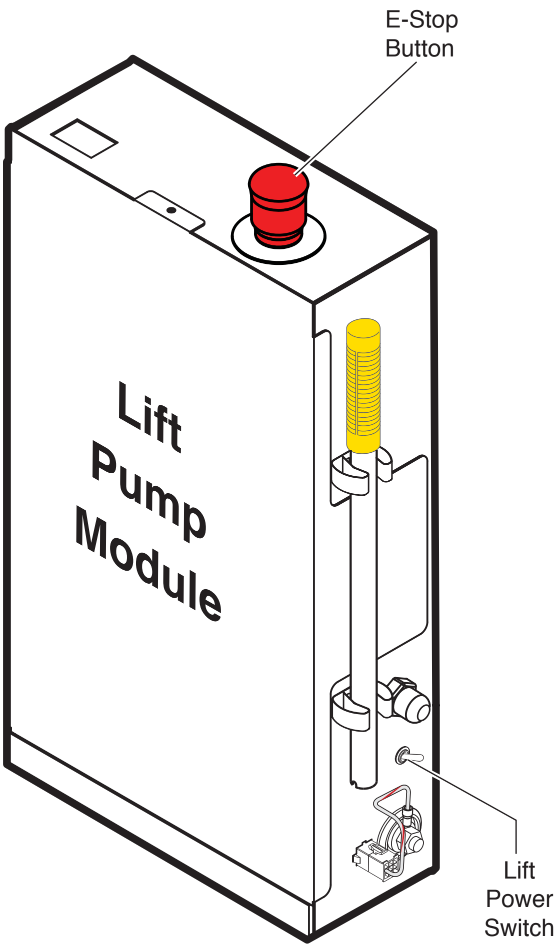
Platform Angle Adjustment: Check platform angle after Tower Microswitch Adjustment procedures.

Platform Stop Blocks: Ensure both stop blocks are making full contact with the vertical arms.

⚠WARNING

Improper microswitch adjustment may result in serious bodily injury and/or property damage.

Emergency Stop (E-Stop) Operating Instructions





To Activate E-Stop:

Push E-Stop button down.

To Reset E-Stop:

1. Turn lift power OFF.
2. Pull E-Stop button up.
3. Turn lift power ON.

Static and Dynamic Tests

Compatibility between the lift and the vehicle

The installer shall confirm the compatibility between the lift and the vehicle.

Static Test

Deformation

The unladen platform is positioned mid-way between ground level and vehicle floor level and measurements are taken of the height of the platform and its angular attitude relative to the vehicle floor.

A load of “B” kg (see table on following page) is applied to the platform and subsequently removed.

By repeating measurements of the height and attitude of the platform, verify that no permanent deformation has occurred in any part of the lift or its attachment to the vehicle which could affect the function of the lift.

Drift

A load of “B” kg (see table on following page) is applied to the platform, positioned at floor level. Measurements are taken of the height of the platform and its angular attitude relative to the vehicle floor. These measurements are repeated after a 15 minute test period.

Verify that the vertical drift of the platform between the two measurements has not exceeded 15mm.

Verify that the angular drift of the platform between the two measurements has not exceeded 2º.

Test to Verify that the Lift Cannot Lift Excessive Load

A load of “B” kg is applied to the platform, positioned at ground level. Actuate the UP control and verify that the platform does not lift (tilt is permissible).

1. Lower platform to the ground.
2. Place “B” kg (see table on following page) at center of platform.
3. Press UP switch and verify platform does not lift (tilt is permissible).
4. If platform does not lift, proceed to Dynamic Test. If platform does lift, proceed to step 5, pump relief valve adjustment is necessary.
5. Access relief valve (see illustration on following page). Loosen 9/16" hex nut on the relief valve adjustment screw (do not remove hex nut).
6. Turn adjustment screw counterclockwise1/8 turn.
7. Press UP switch and verify platform does not lift (tilt is permissible).
8. If platform does not lift, tighten 9/16" hex nut (do not turn relief valve adjustment screw while tightening hex nut). If platform does lift, repeat steps 6 through 8.

Static and Dynamic Tests

Dynamic Test

With “A” kg (see table below) applied to the platform, verify that the lift is able to operate throughout its full range of normal lifting and lowering.

1. Lower platform to the ground.

2. Place “A” kg (see table below) at center of platform.

3. Press UP switch and verify that the lift is able to operate throughout its full range of normal lifting and lowering movements.

4. If platform is able to operate throughout its full range of normal lifting and lowering movements, no adjustment is necessary. If platform does not lift, proceed to step 5, pump relief valve adjustment is necessary.

5. Access relief valve (see illustration below). Loosen 9/16" hex nut on the relief valve adjustment screw (do not remove hex nut).

6. Turn adjustment screw clockwise 1/8 turn.

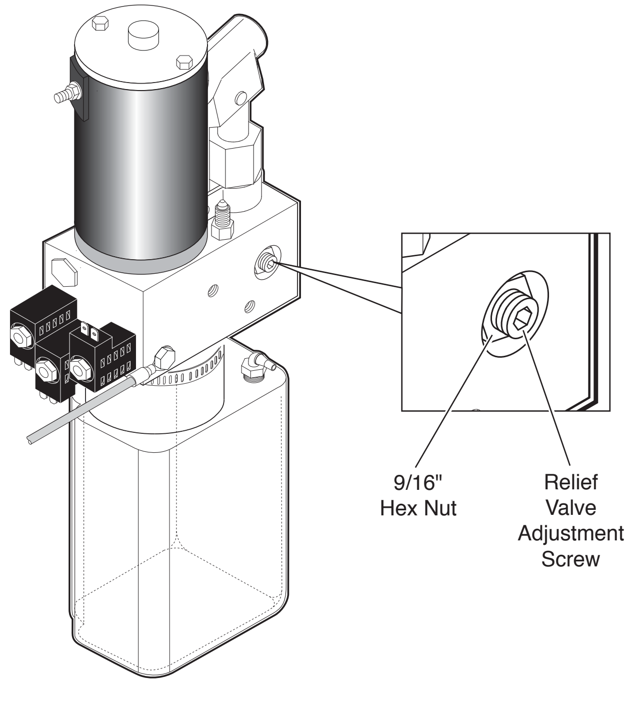
7. Press UP switch and verify lift is able to operate throughout its full range of normal lifting and lowering movement.

8. If lift does not operate throughout its full range, repeat steps 6 through 8. If lift does operate throughout its full range, tighten 9/16" hex nut (do not turn relief valve adjustment screw while tightening hex nut).

Test of Operations and Safety Functions

All functions of the lift and operations of all safety devices are verified after the static and dynamic tests have been completed. These tests do not apply to pipe break valves nor non-resettable safety devices such as electrical fuses (These items are the subject of a manufacturer’s type test).

	Lift With 272kg (600 lb.) Load Rating	Lift With 363kg (800 lb.) Load Rating
A	272	363
B	340	454



NOTES

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Maintenance and Lubrication



Proper maintenance is necessary to ensure safe, trouble-free lift operation. Inspecting the lift for any wear, damage or other abnormal conditions should be a part of the transit agency daily service program. Simple inspections can detect potential problems.

Park vehicle on a level surface clear of traffic and bystanders. Place vehicle transmission in “Park” and engage parking brake. Deploy lift to ground level. Provide adequate work space around fully-deployed lift. Perform specified maintenance and lubrication procedures (position lift as required).

Pump Module: When cleaning the exterior of the pump module, first disconnect the unit from its power source. Do not use liquid cleaners, aerosols, abrasive pads, scouring powders or solvents, such as benzine or alcohol. Use a soft cloth lightly moistened with a mild detergent solution. Ensure the surface cleaned is fully dry before reconnecting power.

Other Components: Clean components and the surrounding area before applying lubricants. Clean only with mild detergent and water. Do not clean with solvents. Allow the lift to dry thoroughly and apply lubricants as specified after every cleaning.

LPS2 General Purpose Penetrating Oil is recommended where Light Oil is called out. Use of improper lubricants can attract dirt or other contaminants which could result in wear or damage to components. Platform components exposed to contaminants when lowered to the ground may require extra attention.

⚠WARNING

Maintenance and lubrication procedures must be performed as specified by an authorized service technician. Failure to do so may result in serious bodily injury and/or property damage.

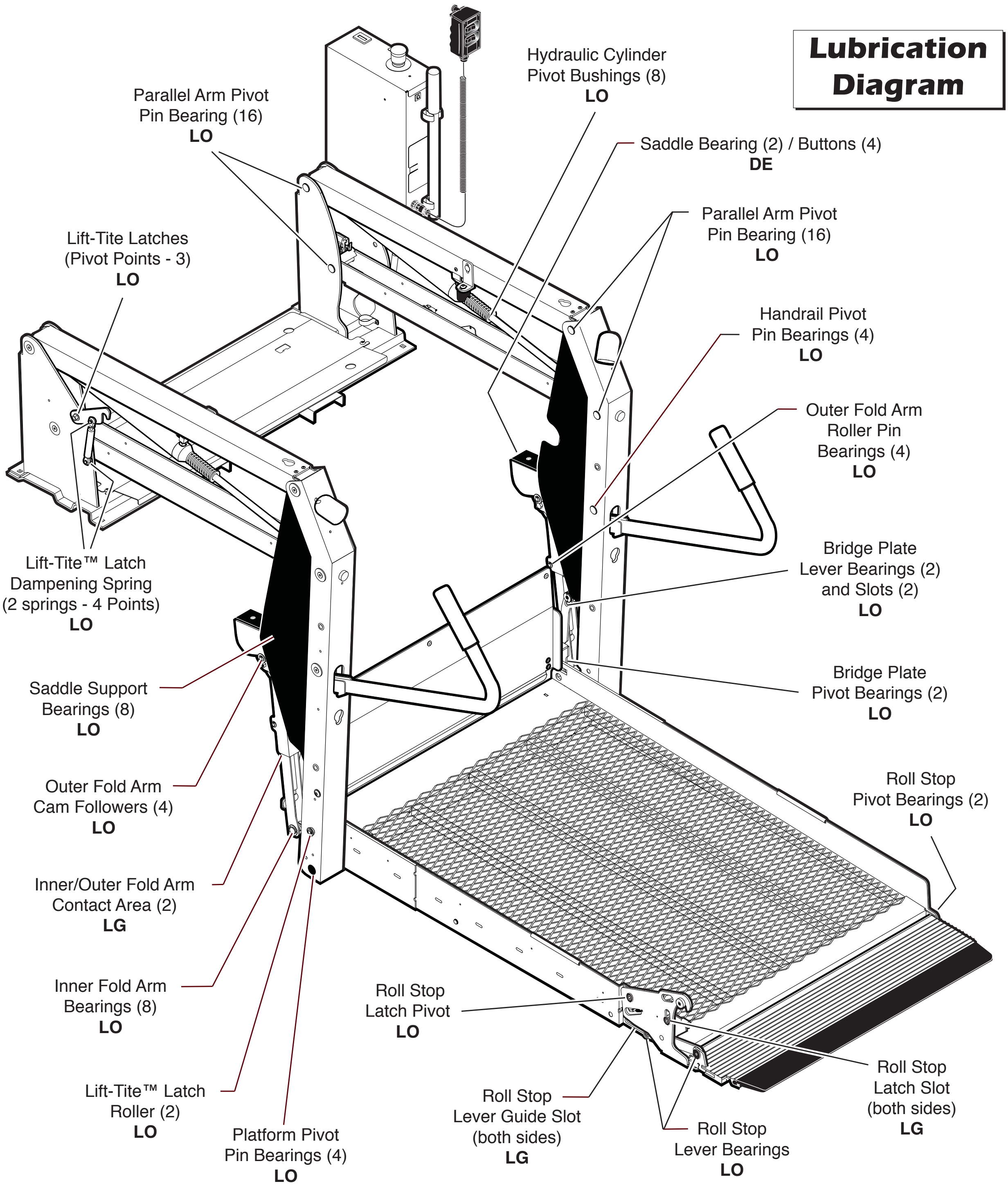
Perform maintenance and lubrication procedures at the scheduled intervals according to the number of cycles. When servicing the lift at the recommended intervals, inspection and lubrication procedures specified in the previous sections should be repeated.

These intervals are a general guideline for scheduling maintenance procedures and will vary according to lift use and conditions. Lifts exposed to severe conditions (weather, environment, contamination, heavy usage, etc.) may require inspection and maintenance procedures to be performed more often than specified.

Records of maintainence and service procedures should be maintained.

Discontinue lift use if maintenance and lubrication procedures are not properly performed, or if there is any sign of wear, damage or improper operation. Contact your authorized representative.

Maintenance and Lubrication



See the Maintenance/Lubrication Schedule for recommended applications per number of cycles.

Lubricant	Type	Specified (recommended) Lubricant	Available Amount	Braun Part No.
LO - Light Oil	Light Penetrating Oil (30 weight or equivalent)	LPS2, General Purpose Penetrating Oil	16 oz. Aerosol Can	15807
DE - Door-Ease	Stainless Stick Style (tube)	Door-Ease Stick (tube)	1.68 oz.	15806
LG - Light Grease	Light Grease (Multipurpose)	Lubriplate	14 oz. Can	15805

Maintenance and Lubrication Schedule

750 Cycles	Roll stop pivot points (2)	Apply Light Oil - See Lubrication Diagram
	Roll stop latch pivot point	Apply Light Oil - See Lubrication Diagram
	Roll stop latch slot	Apply Light Grease to both sides of slot. See Lubrication Diagram
	Roll stop lever bearings (2)	Apply Light Oil - See Lubrication Diagram
	Lift-Tite™ latches (tower pivot points - 2)	Apply Light Oil - See Lubrication Diagram
	Lift-Tite™ latch gas (dampening) spring pivot points (2 springs - 4 points)	Apply Light Oil - See Lubrication Diagram
	Inspect Lift-Tite™ latches and gas springs for wear or damage (bent, deformed or misaligned), positive securement (external snap rings) and proper operation	Resecure, replace damaged parts or otherwise correct as needed. Apply Light Grease to Lift-Tite™ latch tower pivot point if replacing latch.
	Inspect roll stop for proper operation	Correct or replace damaged parts.
	Inspect roll stop latch for proper operation, positive securement, and detached or missing spring	Correct or replace damaged parts and/ or relubricate. See Lubrication Diagram
	Adjust platform fold pressure	See Adjust Platform Fold Pressure
	Inspect lift for wear, damage, or any abnormal condition	Correct as needed.
	Inspect lift for rattles	Correct as needed

1500 Cycles	Inner/outer fold arms (2)	Apply grease (synthetic) to contact areas between inner/outer fold arms. See Lubrication Diagram.
	Platform pivot pin bearings (4)	Apply Light Oil - See Lubrication Diagram
	Inner fold arm bearings (8)	Apply Light Oil - See Lubrication Diagram
	Bridge plate pivot bearings (2)	Apply Light Oil - See Lubrication Diagram
	Bridge plate lever bearings (2)	Apply Light Oil - See Lubrication Diagram
	Bridge plate lever slot (2)	Apply Light Oil - See Lubrication Diagram

Maintenance and Lubrication Schedule

1500 Cycles	Saddle support bearings (8)	Apply Light Oil - See Lubrication Diagram
	Outer fold arm roller pin bearings (4)	Apply Light Oil - See Lubrication Diagram
	Outer fold arm cam followers (4)	Apply Light Oil - See Lubrication Diagram
	Parallel arm pivot pin bearings (16)	Apply Light Oil - See Lubrication Diagram
	Handrail pivot pin bearings (4)	Apply Light Oil - See Lubrication Diagram
	Hydraulic cylinder pivot bushings (8)	Apply Light Oil - See Lubrication Diagram
	Roll stop lever guide slot	Apply Light Grease to both sides of slot. See Lubrication Diagram.
	Inspect Lift-Tite™ latch rollers for wear or damage, positive securement and proper operation (2).	Correct, replace damaged parts and/or relubricate.
	Inspect bridge plate for: • Wear or damage • Proper operation. Roll stop should just rest on top surface of the threshold plate. • Positive securement (both ends)	Resecure, replace or correct as needed. See Platform Angle Adjustment Instructions and Tower Microswitch Adjustment Instructions.
	Inspect handrail components for wear or damage, and for proper operation.	Replace damaged parts
	Inspect microswitches for securement and proper adjustment.	Resecure, replace or adjust as needed. See Tower Microswitch Adjustment Instructions.
	Make sure lift operates smoothly.	Realign towers and vertical arms. Lubricate or correct as needed.
	Inspect external snap rings: • Inner fold arm (6) • Lift-Tite™ latch roller (2) • Lift-Tite™ latch gas (dampening) spring (4) • Outer fold arm cam followers (4) • Outer fold arm roller pins (4) • Roll stop hydraulic cylinder mounting pin (2) • Bridge plate lever bracket pins (2)	Resecure or replace if needed.
	Inspect bridge plate locks (2) and torsion springs (2) for wear or damage and for proper operation.	Replace damaged parts and resecure as needed. Apply Light Oil to bridge plate lock pivot points.

Maintenance and Lubrication Schedule

1500 Cycles	Inspect inner fold arm pins (2), axles (2) and bearings (8) for wear or damage and positive securement.	Replace damaged parts and resecure as needed. Apply Light Oil.
	Remove pump module cover and inspect: • Hydraulic hoses, fittings and connections for wear or leaks. • Harness cables, wires, terminals and connections for securement or damage. • Relays, fuses, power switch and lights for securement or damage.	Resecure, replace or correct as needed.

4500 Cycles	Inspect cotter pins on platform pivot pin (2).	Resecure, replace or correct as needed.
	Hydraulic Fluid (Pump) - Check level. Note: Fluid should be changed if there is visible contamination. Inspect the hydraulic system (cylinder, hoses, fittings, seals, etc.) for leaks if fluid level is low.	Use Braun 32840-QT hydraulic fluid (Exxon® Univis HVI 26). Do not mix with Dextron III or other hydraulic fluids. Check fluid level with platform lowered fully. Fill to maximum fluid level indicated on reservoir (specified on decal). Do not overfill. If fluid level decal is not present - measure 35mm (1-3/8") from the fill port to locate fluid level.
	Inspect cylinders, fittings and hydraulic connections for wear, damage or leaks.	Tighten, repair or replace if needed.
	Inspect roll stop cylinder hose assembly (hose, fasteners, connections, etc.) for wear, damage or leakage.	Tighten, repair or replace if needed.
	Inspect parallel arms, bearings and pivot pins for visible wear or damage.	Replace if needed.
	Inspect parallel arm pivot pin mounting bolts (8).	Tighten or replace if needed.
	Inspect platform pivot pins, bearings and vertical arms for wear, damage and positive securement.	Replace damaged parts and resecure as needed. Apply Light Grease during reassembly procedures.
	Inspect inner/outer fold arms, saddle, saddle support and associated pivot pins and bearings for visible wear or damage.	Replace if needed.
	Inspect gas springs (cylinders) for wear or damage, proper operation, and positive securement.	Tighten, replace or correct as needed.

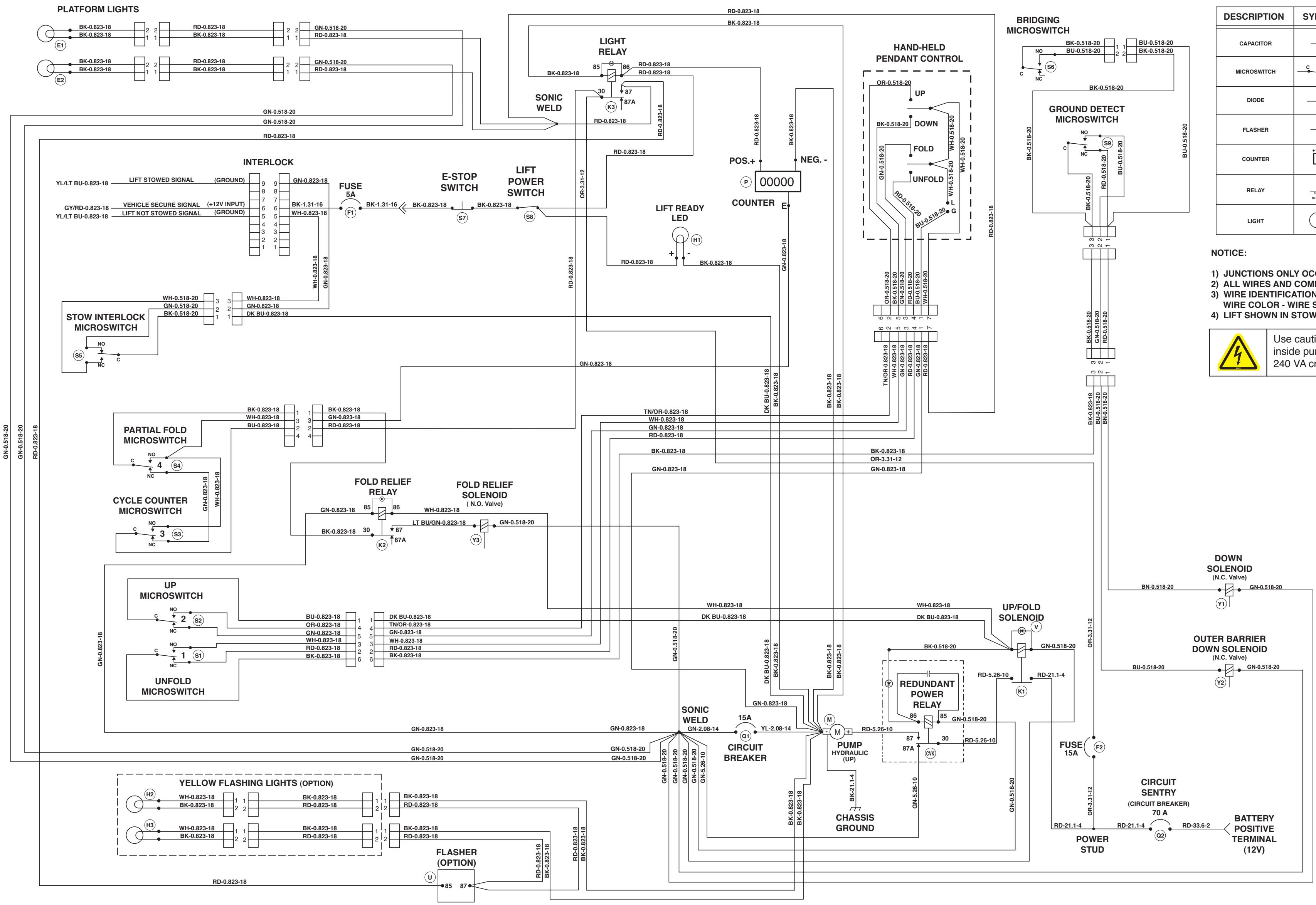
Maintenance and Lubrication Schedule

4500 Cycles	Inspect saddle bearings (2) / buttons (4)	Apply Door-Ease or replace if needed. See Lubrication Diagram.
	Inspect vertical arm plastic covers	Resecure or replace if needed.
	Inspect power cable	Resecure, repair or replace if needed.
	Mounting	Check to see that the lift is securely anchored to the vehicle and there are no loose bolts, broken welds, or stress fractures.
	Decals and Antiskid	Replace decals if worn, missing or illegible. Replace antiskid if worn or missing.

Consecutive 750 Cycle Intervals	Repeat all previously listed inspection, lubrication and maintenance procedures at 750 cycle intervals.

Lift Disposal Procedure	1. Return lift to an authorized dealer for draining of the hydraulic system. 2. Transport lift to a recycling center for recycling.

12V Lift Electrical Schematic



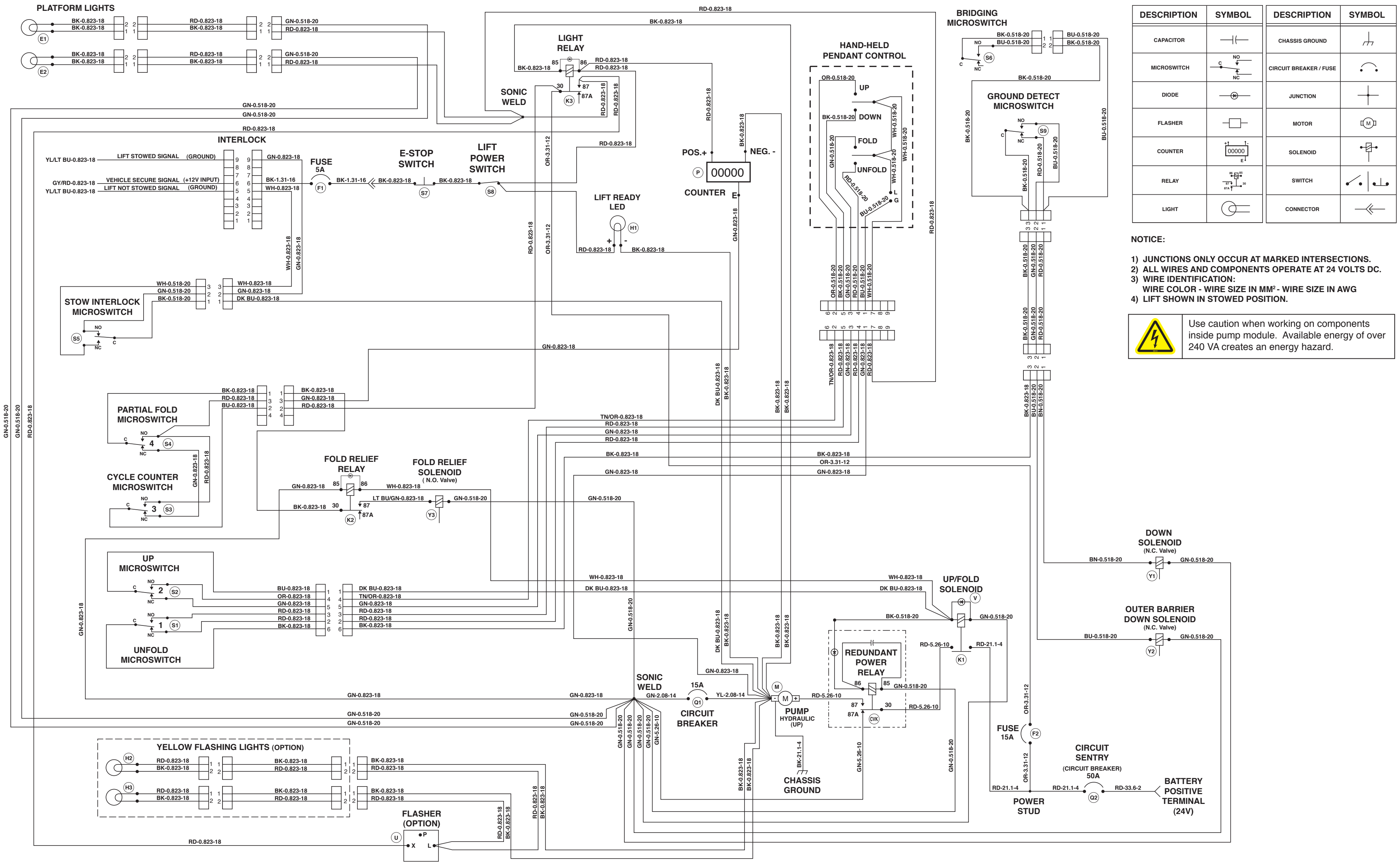
DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL
CAPACITOR		CHASSIS GROUND	
MICROSWITCH		CIRCUIT BREAKER / FUSE	
DIODE		JUNCTION	
FLASHER		MOTOR	
COUNTER		SOLENOID	
RELAY		SWITCH	
LIGHT		CONNECTOR	

NOTICE:

1) JUNCTIONS ONLY OCCUR AT MARKED INTERSECTIONS.
2) ALL WIRES AND COMPONENTS OPERATE AT 12 VOLTS DC.
3) WIRE IDENTIFICATION:
   WIRE COLOR - WIRE SIZE IN MM² - WIRE SIZE IN AWG
4) LIFT SHOWN IN STOWED POSITION

Use caution when working on components inside pump module. Available energy of over 240 VA creates an energy hazard.

24V Lift Electrical Schematic



NOTICE:

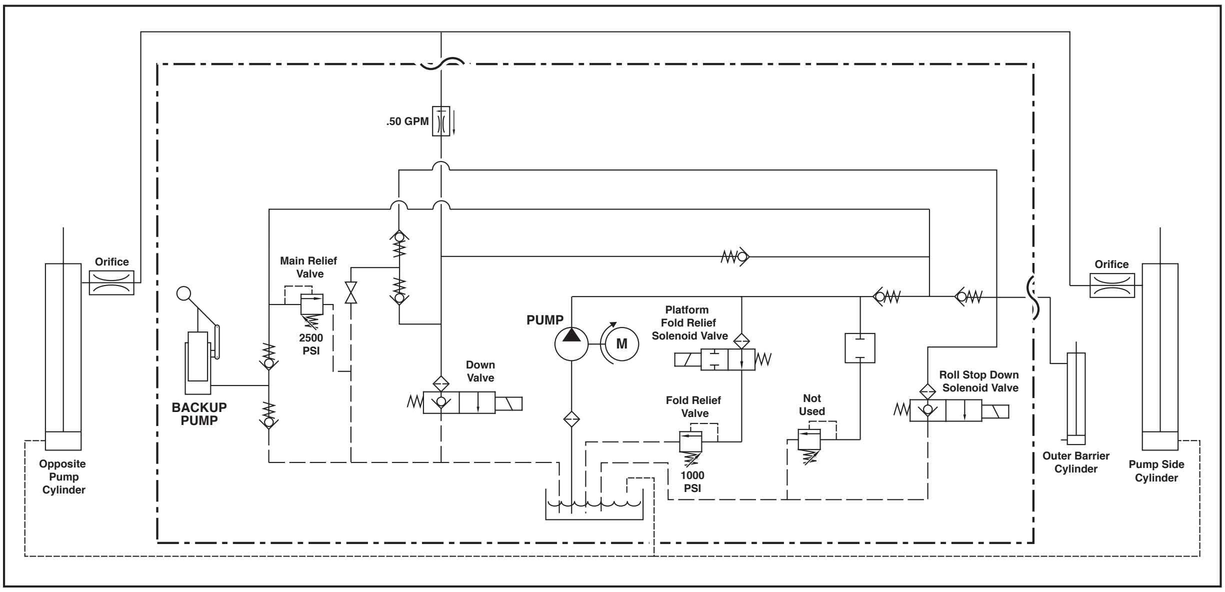
1) JUNCTIONS ONLY OCCUR AT MARKED INTERSECTIONS.
2) ALL WIRES AND COMPONENTS OPERATE AT 24 VOLTS DC.
3) WIRE IDENTIFICATION:
   WIRE COLOR - WIRE SIZE IN MM² - WIRE SIZE IN AWG
4) LIFT SHOWN IN STOWED POSITION.

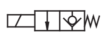
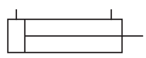
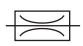
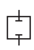
Use caution when working on components inside pump module. Available energy of over 240 VA creates an energy hazard.

NOTES

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Hydraulic Schematic



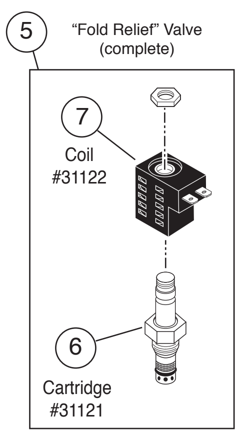
Description	Symbol	Description	Symbol
Fixed Displacement Pump		Hydraulic Port	
Pump Motor		2 Way 2 Position Solenoid Valve	
Backup Pump		Pressure Compensated Flow Control	
Single Acting Cylinder		Relief Valve	
Check Valve		Filter Screen	
Unfold Orifice		Vented Reservoir	
Manual Shutoff Valve		Plug	

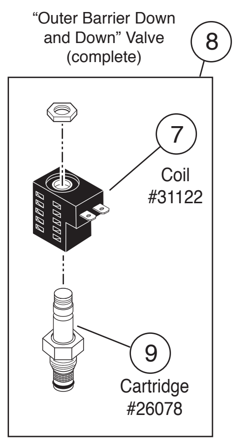
12V Hydraulics Parts List

Item	Qty.	Description	Part #
1	1	Pump Assembly (M-268-0118) 120G / 12V / Dual Relief	35607-12V
2	1	Clamp, Reservoir - H-48 (M259)	17069
3	1	Solenoid, 4-Post Trombetta - Angle	35310
4	1	Motor, Pump - 12 Volt - Low RPM	31350
5	1	Valve Assembly, “Fold Relief” (complete)	31120K
6	1	Cartridge (only), “Fold Relief” Valve - (shown below)	31121
7	3	Coil (only) - (shown below)	31122
8	2	Valve Assembly, “Outer Barrier Down and Down” (complete)	31348K
9	2	Cartridge (only), “Outer Barrier Down and Down” Valve - (shown below)	26078
10	1	Diode Assembly, Up Solenoid	73906A
11	1	Clamp, Hose - Solenoid Mounting	29663
12	1	Reservoir, Hydraulic Fluid	30160
13	1	Cap, Reservoir Filler - Screw On	30167
14	1	Fitting, 90° - 1/8" NPT x 1/8" Barb - Plastic	87563
15	1	Connector, Plastic “Y”, 1/8” O.D.	18877
16	1	Hose, Thermal Plastic - Black, 1/8" I.D.	23742R*
17	1	Handle with Grip	17206A
18	2	Fitting, Male 7-16-20 SAE O-Ring to Male 7/16-20 JIC 37°	24504
19	1	Elbow, 7/16-20 JIC 37 Female Swivel (1) - 7/16-20 JIC 37° Male (2)	26579
20		**(L917IB3454RP-2 / L917FIB3454RP-2 / L918IB3443RP-2 / L919IBRP-2 / L919IBRP-2)**	
	1	Hose Assembly, 1/8" (Opposite-Pump-Side)	16004A-093.5
		(L917IB3751RP-2 / L917FIB3751RP-2)	
	1	Hose Assembly, 1/8" (Opposite-Pump-Side)	16004A-097.5
		(L990IB2740-2)	
	1	Hose Assembly, 1/8" (Opposite-Pump-Side)	16004A-080
21	1	Hose Assembly, 1/8" (Pump-Side) - **L917 / L918 / L919**	16004A-053.5
	1	Hose Assembly, 1/8" (Pump-Side) - **L990**	16004A-042
22	2	Elbow, 90°, 7/16-20 SAE O-Ring Male - 7/16-20 JIC 37° Male, Orifice	26667
23		**(L917IB3454RP-2 / L917FIB3454RP-2 / L917IB3751RP-2 / L917FIB3751RP-2 / L918IB3443RP-2 / L919IBRP-2 / L919IBRP-2)**	
	2	Cylinder ✓	C1514.3-0408N
		(L918IB3443RP-2)	
	2	Cylinder ✓	C1514.3-0407N
		(L990IB2740-2)	
	2	Cylinder ✓	C1512.8-0408LT
24	2	Elbow, 90°, 1/4 NPT Male to 1/4" Barbed	15150
25	1	Cylinder, Rollstop w/Breather Vent (Includes Items 26-29)	33094A
26	1	Fitting, 90° - Male 7/16-20 SAE O-Ring to Male 7/16-20 JIC 37°	25085
27	1	Plug, Drain w/Gasket	35679
28	1	Nut, 1/2-20 Hex Jam	83022
29	1	Adapter, Cylinder - Roll Stop Lever	947-0344N
30	1	**(L990IB2740-2)** Hose Assembly, 114" x 3/16" Dia. w/Two Guards	915-2603-114
	1	**(L918IB3443RP-2)** Hose Assembly, 131" x 3/16" Dia. w/Two Guards	915-2601-131-1
	1	**(L917IB3454RP-2) (L917IB3751RP-2) (L919IBRP-2)** Hose Assembly, 147" x 3/16" Dia. w/Two Guards	915-2601-147
	1	**(L919FIBRP-2)** Hose Assembly, 189" x 3/16" Dia. w/Two Guards	915-2603-189
	1	**(L917FIB3454RP-2)** Hose Assembly, 192" x 3/16" Dia. w/Two Guards	915-2603-192
	1	**(L917FIB3751RP-2)** Hose Assembly, 192-1" x 3/16" Dia. w/Two Guards	915-2603-192-1
31	1	Kit, Hydraulic Port Service Cap	27049K

✓ **Seal Kits:** If repairing a cylinder, order Seal Kit #1500-0500P.

* Raw material items ordered and priced per inch (order specified length).

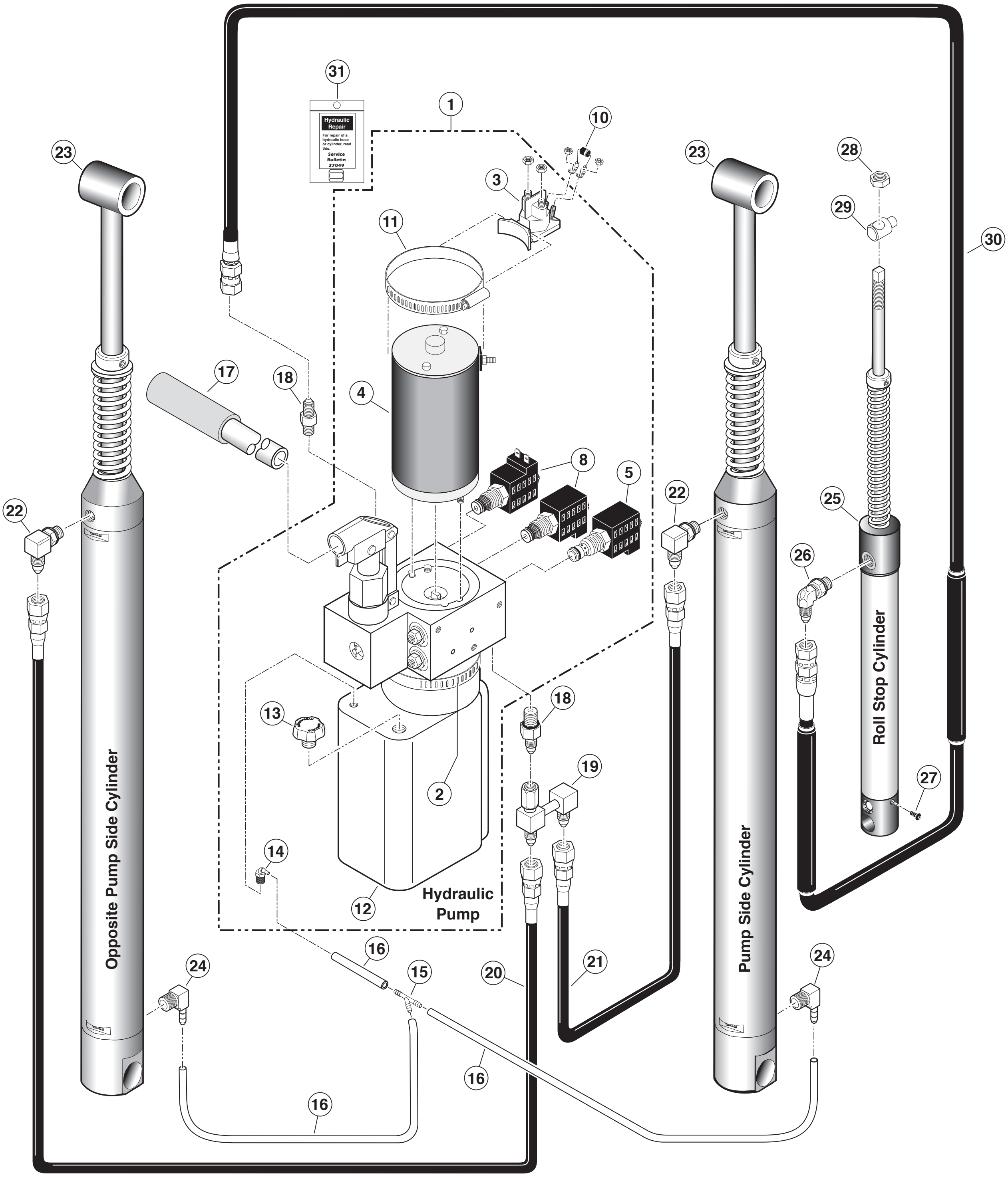




NOTICE

When adding or changing hydraulic fluid, use Braun 32840-QT (Exxon® Univis HVI 26) hydraulic fluid (do not mix with Dextron III or other hydraulic fluids).

12V Hydraulics Diagram



	Use caution when working on components inside pump module. Available energy of over 240 VA creates an energy hazard.

NOTICE

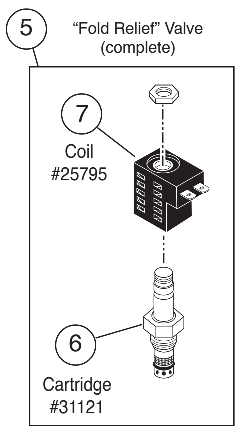
Remove power from pump module and any spark source before working with hydraulic fluid and components. Wear proper eye protection. Use protective gloves for prolonged contact with hydraulic fluid.

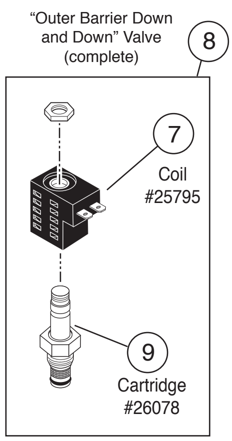
24V Hydraulics Parts List

Item	Qty.	Description	Part #
1	1	Pump Assembly (M-268-0118) 120G / 24V / Dual Relief	35607-24V
2	1	Clamp, Reservoir - H-48 (M259)	17069
3	1	Solenoid, 4-Post Trombetta - Angle	32930
4	1	Motor, Pump - 24 Volt - Low RPM	36725
5	1	Valve Assembly, “Fold Relief” w/24V Coil (complete)	36565K
6	1	Cartridge (only), “Fold Relief” Valve - (shown below)	31121
7	3	Coil (only) - 24V (shown below)	25795
8	2	Valve Assembly, “Outer Barrier Down and Down” (complete)	36566K
9	2	Cartridge (only), “Outer Barrier Down and Down” Valve - (shown below)	26078
10	1	Diode Assembly, Up Solenoid	73906A
11	1	Clamp, Hose - Solenoid Mounting	29663
12	1	Reservoir, Hydraulic Fluid	30160
13	1	Cap, Reservoir Filler - Screw On	30167
14	1	Fitting, 90° - 1/8" NPT x 1/8" Barb - Plastic	87563
15	1	Connector, Plastic “Y”, 1/8” O.D.	18877
16	1	Hose, Thermal Plastic - Black, 1/8" I.D.	23742R*
17	1	Handle with Grip	17206A
18	2	Fitting, Male 7-16-20 SAE O-Ring to Male 7/16-20 JIC 37°	24504
19	1	Elbow, 7/16-20 JIC 37 Female Swivel (1) - 7/16-20 JIC 37° Male (2)	26579
20		**(L927IB3454RP-2 / L927FIB3454RP-2 / L929IBRP-2 / L929IBRP-2)**	
	1	Hose Assembly, 1/8" (Opposite-Pump-Side)	16004A-093.5
		(L927IB3751RP-2 / L927FIB3751RP-2)	
	1	Hose Assembly, 1/8" (Opposite-Pump-Side)	16004A-097.5
21	1	Hose Assembly, 1/8" (Pump-Side) - **All Lift Models**	16004A-053.5
22	2	Elbow, 90°, 7/16-20 SAE O-Ring Male - 7/16-20 JIC 37° Male, Orifice	26667
23	2	Cylinder ✓	C1514.3-0408N
24	2	Elbow, 90°, 1/4 NPT Male to 1/4" Barbed	15150
25	1	Cylinder, Rollstop w/Breather Vent (Includes Items 26-29)	33094A
26	1	Fitting, 90° - Male 7/16-20 SAE O-Ring to Male 7/16-20 JIC 37°	25085
27	1	Plug, Drain w/Gasket	35679
28	1	Nut, 1/2-20 Hex Jam	83022
29	1	Adapter, Cylinder - Roll Stop Lever	947-0344N
30	1	**(L927IB3454RP-2 / L927IB3751RP-2 / L929IBRP-2)** Hose Assembly, 147" x 3/16" Dia. w/Two Guards	915-2601-147
	1	**(L929FIBRP-2)** Hose Assembly, 189" x 3/16" Dia. w/Two Guards	915-2603-189
	1	**(L927FIB3454RP-2)** Hose Assembly, 192" x 3/16" Dia. w/Two Guards	915-2603-192
	1	**(L927FIB3751RP-2)** Hose Assembly, 192-1" x 3/16" Dia. w/Two Guards	915-2603-192-1
	1	**(L929FIBRP-2)** Hose Assembly, 189" x 3/16" Dia. w/Two Guards	915-2603-189
31	1	Kit, Hydraulic Port Service Cap	27049K

✓ **Seal Kits:** If repairing a cylinder, order Seal Kit #1500-0500P.

* Raw material items ordered and priced per inch (order specified length).

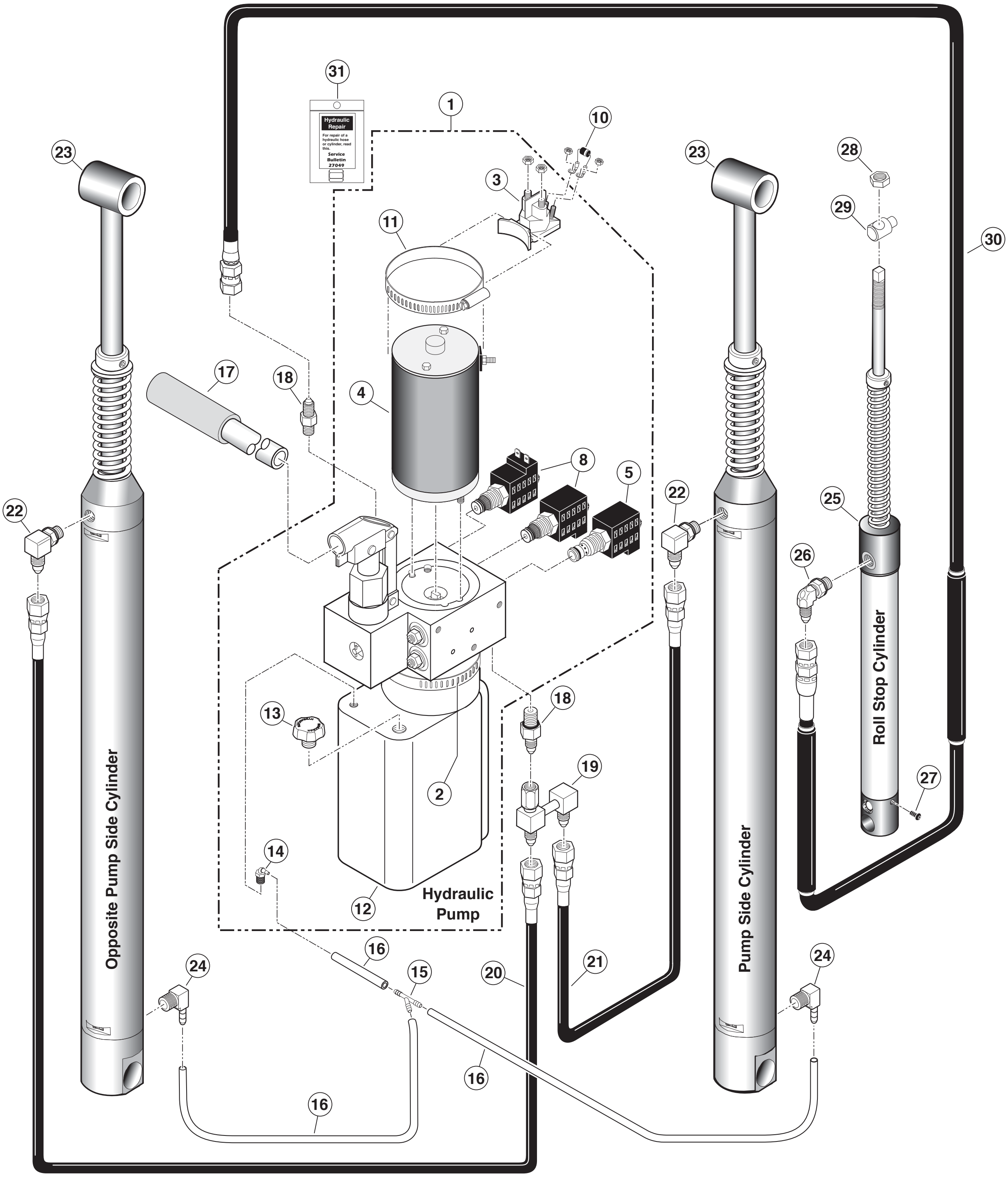




NOTICE

When adding or changing hydraulic fluid, use Braun 32840-QT (Exxon® Univis HVI 26) hydraulic fluid (do not mix with Dextron III or other hydraulic fluids).

24V Hydraulics Diagram



	Use caution when working on components inside pump module. Available energy of over 240 VA creates an energy hazard.

NOTICE

Remove power from pump module and any spark source before working with hydraulic fluid and components. Wear proper eye protection. Use protective gloves for prolonged contact with hydraulic fluid.

12 Volt (Except L990) Pump Module Parts List

Item	Qty.	Description	L917IB3454RP-2	L917FIB3454RP-2	L917IB3751RP-2	L917FIB3751RP-2	L918IB3443RP-2	L919IBRP-2	L919FIBRP-2
	1	Pump Module (complete) ✘	917-0516RARP	917-0516FARPXL	917-0516RARP-37	917-0516FARP-37	917-0516RARP	917-0516RARP	917-0516FARP
1	1	Hose Assy, 1/8" (Op. Pump Side) ✘	16004A-093.5	16004A-093.5	16004A-097.5	16004A-097.5	16004A-093.5	16004A-093.5	16004A-093.5
2	1	Hose Assy, 1/8" (Roll Stop) ✘ ♦	915-2601-150	915-2603-192	915-2601-147	915-2603-192-1	915-2601-131-1	915-2601-147	915-2603-189
3	1	Harness, Extension Lighting ✘	31033A61.5	31033A61.5	31033A61.5	31033A61.5	31033A61.5	31033A61.5	31033A61.5
4	1	Harness, Extension Lighting ✘	31033A103.5	31033A103.5	31033A106.5	31033A106.5	31033A103.5	31033A103.5	31033A103.5
5	1	Harness, Tower (Op. Pump Side) ✘	37011A	37011A	37013A	37013A	37011A	37011A	37011A
6	1	Harness, Bridge Input ✘	36284RA	36284FAXL	36284RA	36284FAXL	36284RA	36284RA	36284FA
7	1	Cover, Pump Module	947-2519RN	947-2519FN	947-2519RN	947-2519FN	947-2519RN	947-2519RN	947-2519FN
8	1	Weldment, 7.5" RP Adapter Plate	33381RW	33381FW	33381RW	33381FW	33381RW	33381RW	33381FW
9	1	Guard, Splash	36377R	36377F	36377R	36377F	36377R	36377R	36377F
10	1	Guard, Spash - Upper - Flap Cylinder Hose	-	917-0368F	-	917-0368F	-	-	917-0368F
11	1	Guard, Splash - Counter	-	917-0369F	-	917-0369F	-	-	917-0369F
12	2	Bolt, 5/16-18 x 1/2", Nylock, Hex ▲	10012	-	10012	-	10012	10012	-
	4	Bolt, 5/16-18 x 1/2", Nylock, Hex ▲	-	10012	-	10012	-	-	10012
13	1	Housing, Pump	917-0513R	917-0513F	917-0513R	917-0513F	917-0513R	917-0513R	917-0513F
		Housing, Pump Assy (Items 13-23)	917-0513RA	917-0513FA	917-0513RA	917-0513FA	917-0513RA	917-0513RA	917-0513FA
14	4	Rivet, Pop, SD43BS - 1/8" - .13"/.19"	12954	-	12954	-	12954	12954	-
	6	Rivet, Pop, SD43BS - 1/8" - .13"/.19"	-	12954	-	12954	-	-	12954
15	1	Cap, End - Plastic 1" ID x 1 1/4" OD	-	20474	-	20474	-	-	20474

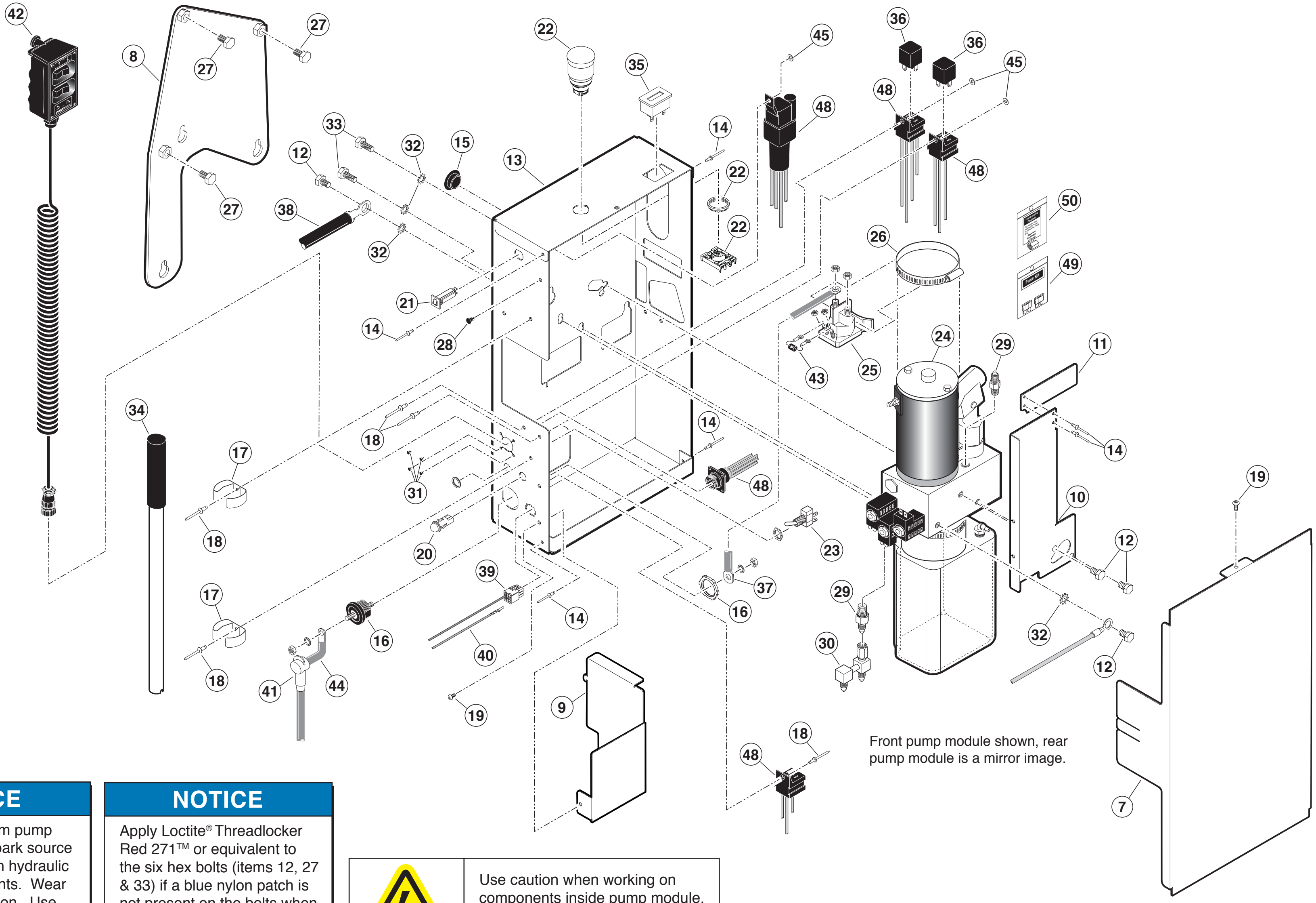
Item	Qty.	Description	Part #
16	1	Stud, Power Feed	26084
17	2	Clamp, Spring - Pump Handle	12350
18	2	Rivet, Pop, SD62BS - 3/16" - .06"/.13"	11512
19	2	Screw, #10-32 x 1/2", BHSC, Auto-Bk	30377
20	1	Diode, Green LED	29545
21	1	Circuit Breaker, Manual Reset - 15 Amperes	35143
22	1	E-Stop Button w/ Retaining Nut and Switch Retainer	36414-1
23	1	Switch, Toggle w/ Gold Contacts	31787
24	1	Pump Assembly (M268-0118) 12V-120G - Dual Relief (Includes Items 25 & 26)	35607-12V
25	1	Solenoid, Up - 4-Post Trombetta - Angle	35310
26	1	Clamp, Hose - Solenoid Mounting	29663
27	3	Bolt, 3/8-16 x 1/2" w/Nylock Patch ▲	29729
28	1	Rivet, Snap - Black - .201" x .177/.217"	30408
29	2	Fitting, Male 7/16-20 O-Ring to Male 7/16-20 JIC 37°	24504
30	1	Elbow, Manifold - Female Swivel 7/16-20 JIC 37° to (2) Male 7/16-20 JIC 37°	26579
31	4	Rivet, Snap, .122" Dia. - .158" -.197" Thick	25759
32	4	Washer, 5/16" External Tooth	16368
33	2	Bolt, 5/16-18 x 3/4", Nylock, Hex ▲	29608
34	1	Pump Handle with Grip	17206A
35	1	Cycle Counter, LCD w/o Reset	30547
36	2	Relay, 30/40 Amperes SPDT 12V with Internal Diode	35249
37	1	Cable, Pump Module Power	26082A-4
38	1	Cable, Lift / Chassis Ground	22166A
39	1	Wire Assembly, Lift Interlock Connection	31797A
40	1	Wire Assembly, Lift Stowed Connection ♦	31798A
41	1	Rubber Boot, Red ♦	82046
42	1	Control, Hand Pendant Assembly - Non Electronic / Non Shielded - Coiled ♦	36509A
43	1	Diode Assembly, Up Solenoid	73906A
44	1	Harness, Lift Power ♦	33885A
45	3	Washer, #10 Flat	11541
46	1	Harness, Tower (Pump Side) ✘	37015A
47	1	Harness, Stow ✘	33377RARP
48	1	Harness, Main	917-0500A
49	1	Fuse Kit, 5 Amperes (F1) & 15 Amperes (F2)	36521K
50	1	Kit, Hydraulic Port Service Cap	27049K
51	1	Hose Assy, 1/8" (Pump Side) ✘	16004A-053.5
52	1	Hose, 1/8" Thermal Plastic ✘ (Ordered and priced per inch - order specified length)	23742R
53	1	Connector, Plastic Y - 1/8" O.D. ✘	18877

✘ Indicates items not shown.

▲ Apply Loctite® Threadlocker Red 271™ or equivalent to the six hex bolts (items 12, 27 & 33) if a blue nylon patch is not present on the bolts when retrofitting an M268-0118 pump assembly.

♦ Indicates items available for replacement part purposes only. These items are not included with replacement pump modules.

12 Volt (Except L990) Pump Module Diagram





NOTICE

Remove power from pump module and any spark source before working with hydraulic fluid and components. Wear proper eye protection. Use protective gloves for prolonged contact with hydraulic fluid.

NOTICE

Apply Loctite® Threadlocker Red 271™ or equivalent to the six hex bolts (items 12, 27 & 33) if a blue nylon patch is not present on the bolts when retrofitting an M268 pump assembly.



Use caution when working on components inside pump module. Available energy of over 240 VA creates an energy hazard.

12 Volt (L990) Pump Module Parts List

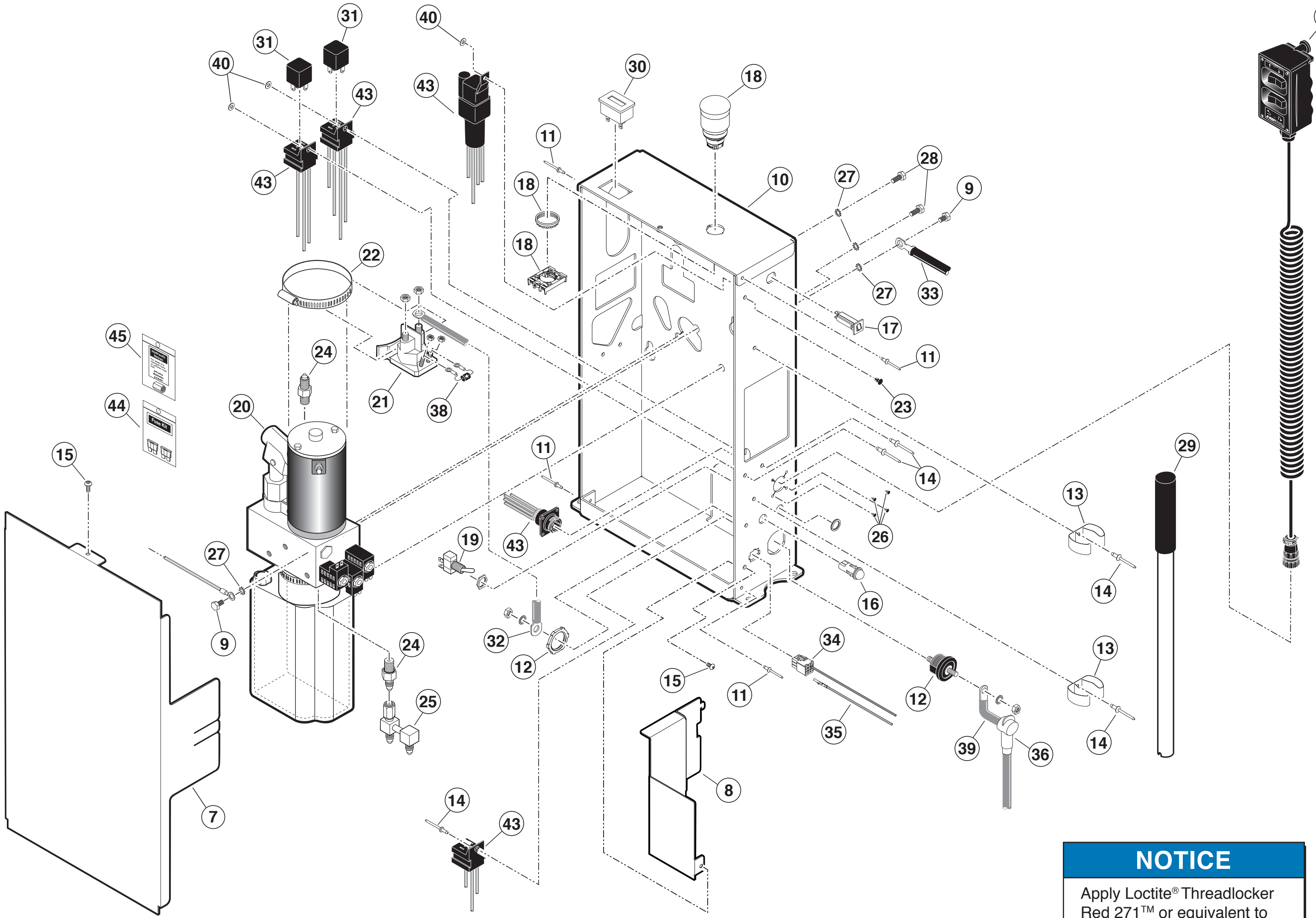
Item	Qty.	Description	Part No.
	1	Pump Module (complete) ✘	991-0516RA
1	1	Hose Assy, 1/8" (Op. Pump Side) ✘	16004A-080
2	1	Hose Assy, 1/8" (Roll Stop) ✘ ♦	915-2601-114
3	1	Harness, Extension Lighting ✘	31033A45
4	1	Harness, Extension Lighting ✘	31033A84
5	1	Harness, Tower (Op. Pump Side) ✘	37010A
6	1	Harness, Bridge Input ✘	36284RA
7	1	Cover, Pump Module	947-2519RN
8	1	Guard, Splash	36377R
9	2	Bolt, 5/16-18 x 1/2", Nylock, Hex ▲	10012
10	1	Housing, Pump	991-0513RW
		Housing, Pump Assy (Items 10-19)	991-0513RA
11	4	Rivet, Pop, SD43BS - 1/8" - .13"/.19"	12954
12	1	Stud, Power Feed	26084
13	2	Clamp, Spring - Pump Handle	12350
14	5	Rivet, Pop, SD62BS - 3/16" - .06"/.13"	11512
15	2	Screw, #10-32 x 1/2", BHSC, Auto-Bk	30377
16	1	Diode, Green LED	29545
17	1	Circuit Breaker, Manual Reset - 15 Amperes	35143
18	1	E-Stop Button w/ Retaining Nut and Switch Retainer	36414-1
19	1	Switch, Toggle w/ Gold Contacts	31787
20	1	Pump Assembly (M268-0118) 12V-120G - Dual Relief (Includes Items 21 & 22)	35607-12V
21	1	Solenoid, Up - 4-Post Trombetta - Angle	35310
22	1	Clamp, Hose - Solenoid Mounting	29663
23	1	Rivet, Snap - Black - .201" x .177/.217"	30408
24	2	Fitting, Male 7/16-20 O-Ring to Male 7/16-20 JIC 37°	24504
25	1	Elbow, Manifold - Female Swivel 7/16-20 JIC 37° to (2) Male 7/16-20 JIC 37°	26579
26	4	Rivet, Snap, .122" Dia. - .158" -.197" Thick	25759
27	4	Washer, 5/16" External Tooth	16368
28	2	Bolt, 5/16-18 x 3/4", Nylock, Hex ▲	29608
29	1	Pump Handle with Grip	17206A
30	1	Cycle Counter, LCD w/o Reset	30547
31	2	Relay, 30/40 Amperes SPDT 12V with Internal Diode	35249
32	1	Cable, Pump Module Power	26082A-4
33	1	Cable, Lift / Chassis Ground	22166A
34	1	Wire Assembly, Lift Interlock Connection	31797A
35	1	Wire Assembly, Lift Stowed Connection ♦	31798A
36	1	Rubber Boot, Red ♦	82046
37	1	Control, Hand Pendant Assembly - Non Electronic / Non Shielded - Coiled ♦	36509A
38	1	Diode Assembly, Up Solenoid	73906A
39	1	Harness, Lift Power ♦	33885A
40	3	Washer, #10 Flat	11541
41	1	Harness, Tower (Pump Side) ✘	37014A
42	1	Harness, Stow ✘	33377RA
43	1	Harness, Main	917-0500A
44	1	Fuse Kit, 5 Amperes (F1) & 15 Amperes (F2)	36521K
45	1	Kit, Hydraulic Port Service Cap	27049K
46	1	Hose Assy, 1/8" (Pump Side) ✘	16004A-042
47	1	Hose, 1/8" Thermal Plastic ✘ (Ordered and priced per inch - order specified length)	23742R
48	1	Connector, Plastic Y - 1/8" OD ✘	18877

✘ Indicates items not shown.

▲ Apply Loctite® Threadlocker Red 271™ or equivalent to the four hex bolts (items 9 & 28) if a blue nylon patch is not present on the bolts when retrofitting an M268-0118 pump assembly.

♦ Indicates items available for replacement part purposes only. These items are not included with replacement pump modules.

12 Volt (L990) Pump Module Diagram







Use caution when working on components inside pump module. Available energy of over 240 VA creates an energy hazard.

NOTICE

Apply Loctite® Threadlocker Red 271™ or equivalent to the four hex bolts (items 9 & 28) if a blue nylon patch is not present on the bolts when retrofitting an M268 pump assembly.

NOTICE

Remove power from pump module and any spark source before working with hydraulic fluid and components. Wear proper eye protection. Use protective gloves for prolonged contact with hydraulic fluid.

24 Volt Pump Module Parts List

Item	Qty.	Description	L927IB3454RP-2	L927FIB3454RP-2	L927IB3751RP-2	L927FIB3751RP-2	L929IBRP-2	L929FIBRP-2
	1	Pump Module (complete) ✘	917-0526RARP	917-0526FARPXL	917-0526RARP-37	917-0526FARP-37	917-0526RARP	917-0526FARP
1	1	Hose Assy, 1/8" (Op. Pump Side) ✘	16004A-093.5	16004A-093.5	16004A-097.5	16004A-097.5	16004A-093.5	16004A-093.5
2	1	Hose Assy, 1/8" (Roll Stop) ✘	915-2601-150	915-2603-192	915-2601-147	915-2603-192-1	915-2601-147	915-2603-189
3	1	Harness, Extension Lighting ✘	31033A61.5	31033A61.5	31033A61.5	31033A61.5	31033A61.5	31033A61.5
4	1	Harness, Extension Lighting ✘	31033A103.5	31033A103.5	31033A106.5	31033A106.5	31033A103.5	31033A103.5
5	1	Harness, Tower (Op. Pump Side) ✘	37011A	37011A	37013A	37013A	37011A	37011A
6	1	Harness, Bridge Input ✘	36284RA	36284FAXL	36284RA	36284FAXL	36284RA	36284FA
7	1	Cover, Pump Module	947-2519RN	947-2519FN	947-2519RN	947-2519FN	947-2519RN	947-2519FN
8	1	Weldment, 7.5" RP Adapter Plate	33381RW	33381FW	33381RW	33381FW	33381RW	33381FW
9	1	Guard, Splash	36377R	36377F	36377R	36377F	36377R	36377F
10	1	Guard, Spash - Upper - Flap Cylinder Hose	-	917-0368F	-	917-0368F	-	917-0368F
11	1	Guard, Splash - Counter	-	917-0369F	-	917-0368F	-	917-0368F
12	2	Bolt, 5/16-18 x 1/2", Nylock, Hex ▲	10012	-	10012	-	10012	-
	4	Bolt, 5/16-18 x 1/2", Nylock, Hex ▲	-	10012	-	10012	-	10012
13	1	Housing, Pump	917-0513R	917-0513F	917-0513R	917-0513F	917-0513R	917-0513F
		Housing, Pump Assy (Items 13-23)	917-0523RA	917-0523FA	917-0523RA	917-0523FA	917-0523RA	917-0523FA
14	4	Rivet, Pop, SD43BS - 1/8" - .13"/.19"	12954	-	12954	-	12954	-
	6	Rivet, Pop, SD43BS - 1/8" - .13"/.19"	-	12954	-	12954	-	12954
15	1	Cap, End - Plastic 1" ID x 1 1/4" OD	-	20474	-	20474	-	20474

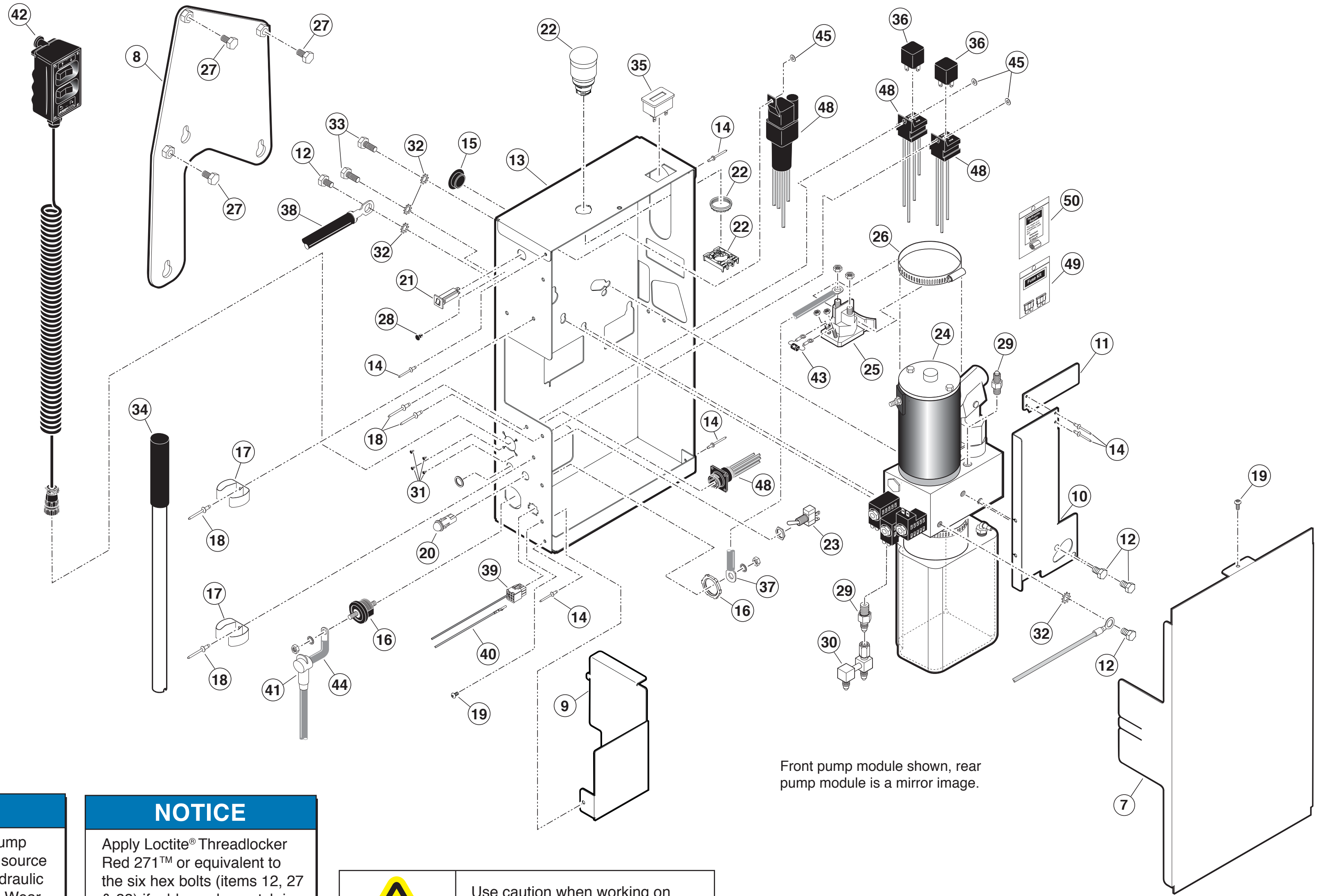
Item	Qty.	Description	Part #
16	1	Stud, Power Feed	26084
17	2	Clamp, Spring - Pump Handle	12350
18	4	Rivet, Pop, SD62BS - 3/16" - .06"/.13"	11512
19	2	Screw, #10-32 x 1/2", BHSC, Auto-Bk	30377
20	1	Diode, Green LED- 24V	29857
21	1	Circuit Breaker, Manual Reset - 15 Amperes	35143
22	1	E-Stop Button w/ Retaining Nut and Switch Retainer	36414-1
23	1	Switch, Toggle w/ Gold Contacts	31787
24	1	Pump Assembly (M268-0118) 24V-120G - Dual Relief (Includes Items 25 & 26)	35607-24V
25	1	Solenoid, Up - 4-Post Trombetta - Angle -24V	32930
26	1	Clamp, Hose - Solenoid Mounting	29663
27	3	Bolt, 3/8-16 x 1/2" w/Nylock Patch ▲	29729
28	1	Rivet, Snap-Black- .201" x .177/.217"	30408
29	2	Fitting, Male 7/16-20 O-Ring to Male 7/16-20 JIC 37°	24504
30	1	Elbow, Manifold - Female Swivel 7/16-20 JIC 37° to (2) Male 7/16-20 JIC 37°	26579
31	4	Rivet, Snap, .122" Dia. - .158" -.197" Thick	25759
32	4	Washer, 5/16" External Tooth	16368
33	2	Bolt, 5/16-18 x 3/4", Nylock, Hex ▲	29608
34	1	Pump Handle with Grip	17206A
35	1	Cycle Counter, LCD w/o Reset	30547
36	2	Relay, 30/40 Amperes SPDT 24V with Internal Diode	36081
37	1	Cable, Pump Module Power	26082A-4
38	1	Cable, Lift / Chassis Ground	22166A
39	1	Wire Assembly, Lift Interlock Connection	31797A
40	1	Wire Assembly, Lift Stowed Connection ♦	31798A
41	1	Rubber Boot, Red ♦	82046
42	1	Control, Hand Pendant Assembly - Non Electronic / Non Shielded - Coiled ♦	36509A-24V
43	1	Diode Assembly, Up Solenoid	73906A
44	1	Harness, Lift Power ♦	33885A
45	3	Washer, #10 Flat	11541
46	1	Harness, Tower (Pump Side) ✘	37015A
47	1	Harness, Stow ✘	33377RARP
48	1	Harness, Main	917-0520A
49	1	Fuse Kit, 5 Amperes (F1) & 15 Amperes (F2)	36521K
50	1	Kit, Hydraulic Port Service Cap	27049K
51	1	Hose Assy, 1/8" (Pump Side) ✘	16004A-053.5
52	1	Hose, 1/8" Thermal Plastic ✘ (Ordered and priced per inch - order specified length)	23742R
53	1	Connector, Plastic Y - 1/8" O.D. ✘	18877

✘ Indicates items not shown.

▲ Apply Loctite® Threadlocker Red 271™ or equivalent to the six hex bolts (items 12, 27 & 33) if a blue nylon patch is not present on the bolts when retrofitting an M268-0118 pump assembly.

♦ Indicates items available for replacement part purposes only. These items are not included with replacement pump modules.

24 Volt Pump Module Diagram



Front pump module shown, rear pump module is a mirror image.

NOTICE

Remove power from pump module and any spark source before working with hydraulic fluid and components. Wear proper eye protection. Use protective gloves for prolonged contact with hydraulic fluid.

NOTICE

Apply Loctite® Threadlocker Red 271™ or equivalent to the six hex bolts (items 12, 27 & 33) if a blue nylon patch is not present on the bolts when retrofitting an M268 pump assembly.



Use caution when working on components inside pump module. Available energy of over 240 VA creates an energy hazard.

Exploded Views and Parts Lists

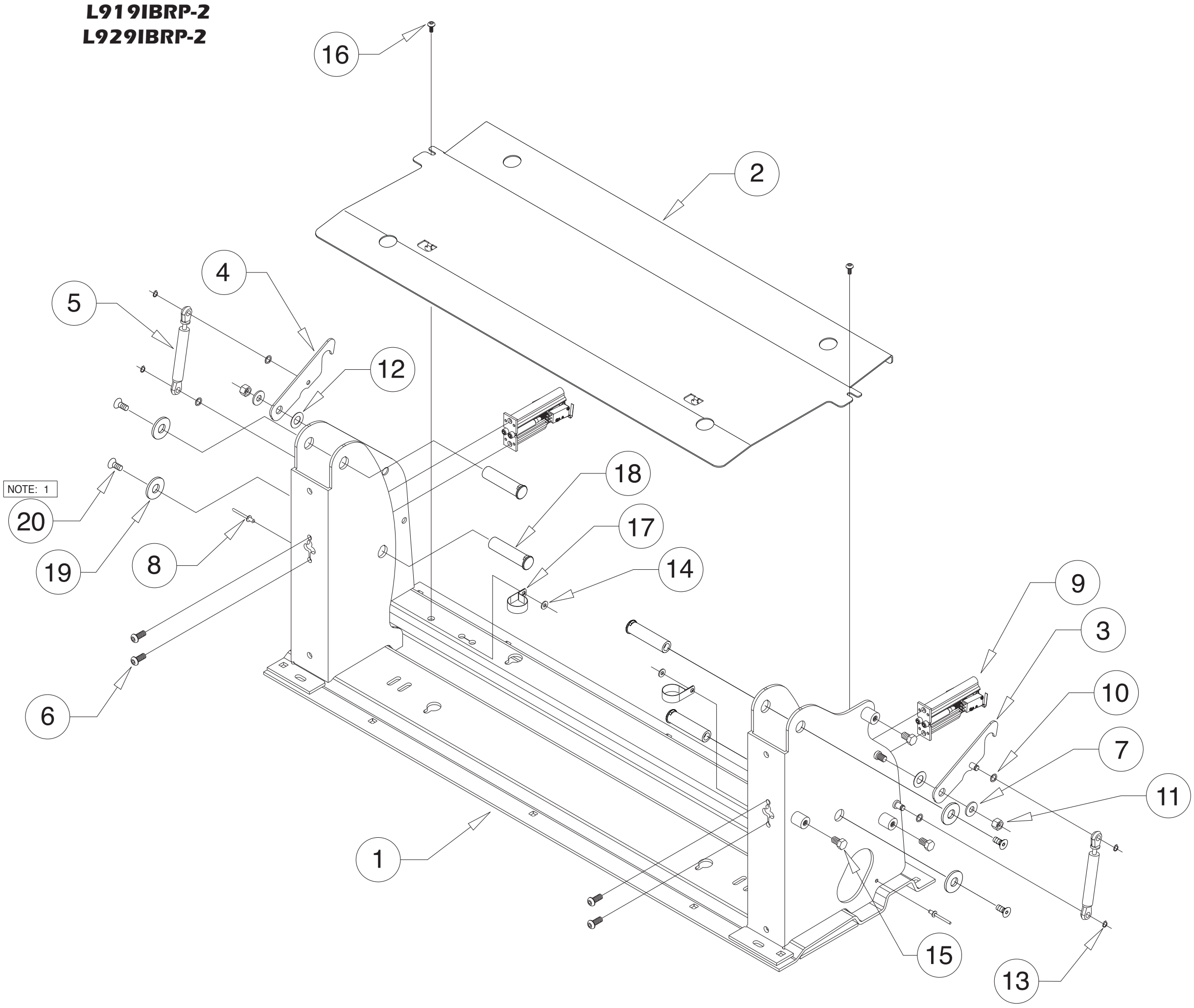
Base Plate Assembly

Applicable Lifts:

L917IB3454RP-2
L927IB3454RP-2
L919IBRP-2
L929IBRP-2

NOTICE

1) USE LOCTITE® THREADLOCKER RED 271™ OR EQUIVALENT ON SCREWS (B.C. #25527)



ITEM	QTY.	PART NO.	DESCRIPTION
20	4	25527	SCREW-5/16-18 X 3/4" FHS/AUTO-BK
19	4	25346	WASHER-1/2" FLAT/AUTO BK
18	4	936-0403	PIN-PIVOT PARALLEL ARM
17	2	29765	CLAMP-INSULATED-1 3/8"
16	2	15733	BOLT-1/4-20 X 1/2" BHSC/AUTO-BK
15	3	29729	BOLT-3/8-16 X 1/2" W/NYLOCK PATCH
14	2	11541	WASHER-#10 FLAT/AUTO-BK
13	4	24570	RING-5/16" EXT SNAP/ZINC PLATED
12	2	11913	WASHER-1/2" NYLON
11	2	28339BK	NUT-3/8-16 UNC TOP LOCK/AUTO-BK
10	4	26614	O-RING 5/16" ID X 1/16"
9	2	975-4121A	MICRO SWITCH ASSY
8	2	14993	RIV-POP-SD66BS-3/16"-.25/.38"/AUTO-BK
7	2	10063	WASHER-5/16" FLAT
6	4	24440	BOLT-5/16-18 X 3/4"-BHSC/AUTO-BK
5	2	26963	SPRING-DAMP 5.67 E/4.291 C,P1=3.37N-RET
4	1	27208RW	WMT-LATCH-LIFT-TITE REAR-RETRO
3	1	27208FW	WMT-LATCH-LIFT-TITE FRONT-RETRO
2	1	917-2149-34	BASE COVER / -2 INTERNATIONAL - 34"
1	1	945-3148RNW34	WMT-BASE-REAR/48" FTG

Exploded Views and Parts Lists

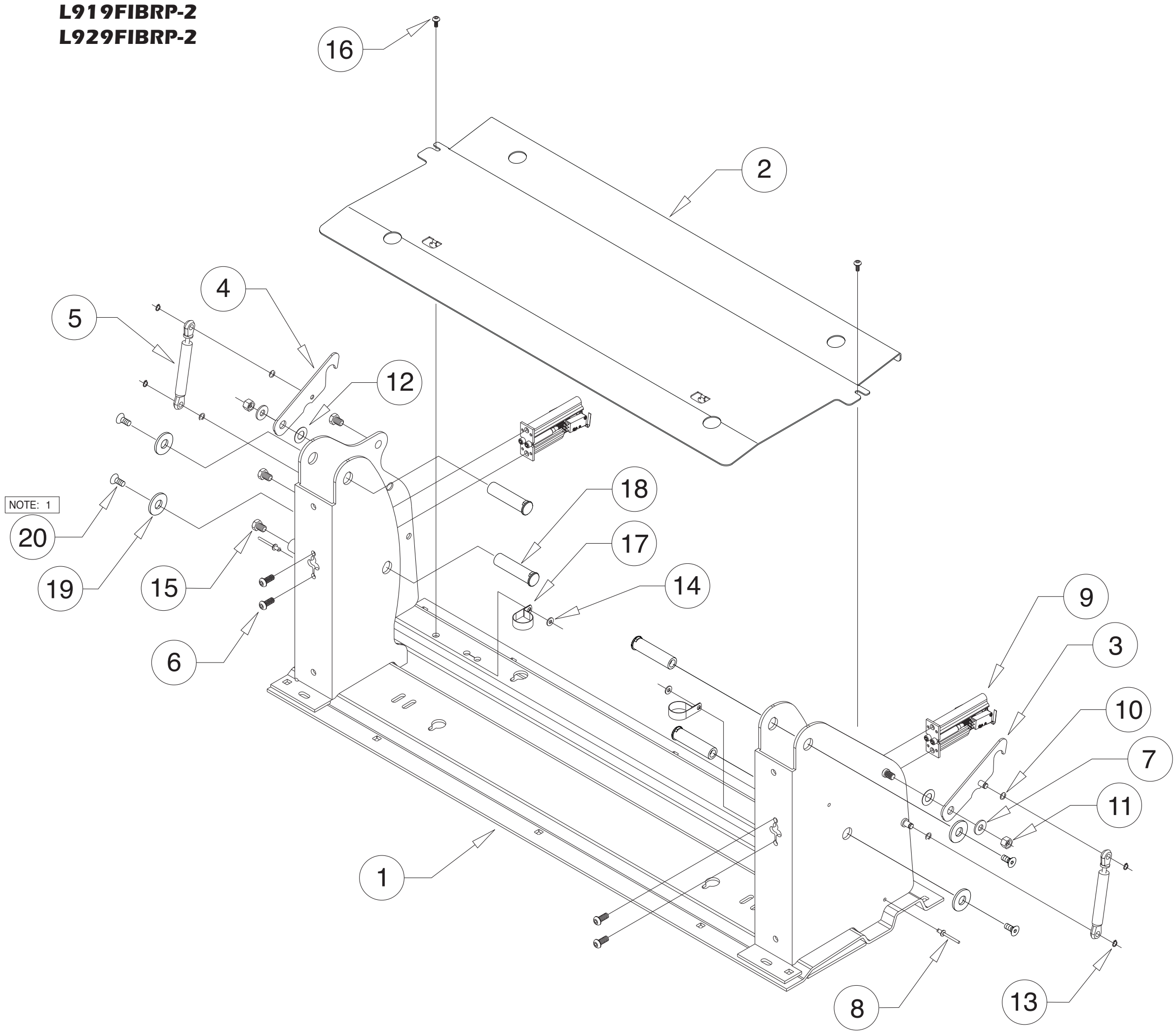
Base Plate Assembly

Applicable Lifts:

L917FIB3454RP-2
L927FIB3454RP-2
L919FIBRP-2
L929FIBRP-2

NOTICE

1) USE LOCTITE® THREADLOCKER RED 271™ OR EQUIVALENT ON SCREWS (B.C. #25527)



ITEM	QTY.	PART NO.	DESCRIPTION
20	4	25527	SCREW-5/16-18 X 3/4" FHS/AUTO-BK
19	4	25346	WASHER-1/2" FLAT/AUTO BK
18	4	936-0403	PIN-PIVOT PARALLEL ARM
17	2	29765	CLAMP-INSULATED-1 3/8"
16	2	15733	BOLT-1/4-20 X 1/2" BHSC/AUTO-BK
15	3	29729	BOLT-3/8-16 X 1/2" W/NYLOCK PATCH
14	2	11541	WASHER-#10 FLAT/AUTO-BK
13	4	24570	RING-5/16" EXT SNAP/ZINC PLATED
12	2	11913	WASHER-1/2" NYLON
11	2	28339BK	NUT-3/8-16 UNC TOP LOCK/AUTO-BK
10	4	26614	O-RING 5/16" ID X 1/16"
9	2	975-4121A	MICRO SWITCH ASSY
8	2	14993	RIV-POP-SD66BS-3/16"-.25/.38"/AUTO-BK
7	2	10063	WASHER-5/16" FLAT
6	4	24440	BOLT-5/16-18 X 3/4"-BHSC/AUTO-BK
5	2	26963	SPRING-DAMP 5.67 E/4.291 C,P1=3.37N-RET
4	1	27208RW	WMT-LATCH-LIFT-TITE REAR-RETRO
3	1	27208FW	WMT-LATCH-LIFT-TITE FRONT-RETRO
2	1	917-2149-34	BASE COVER /-2 INTERNATIONAL - 34"
1	1	945-3148FNW34	WMT-BASE-FRONT/48" FTG

Exploded Views and Parts Lists

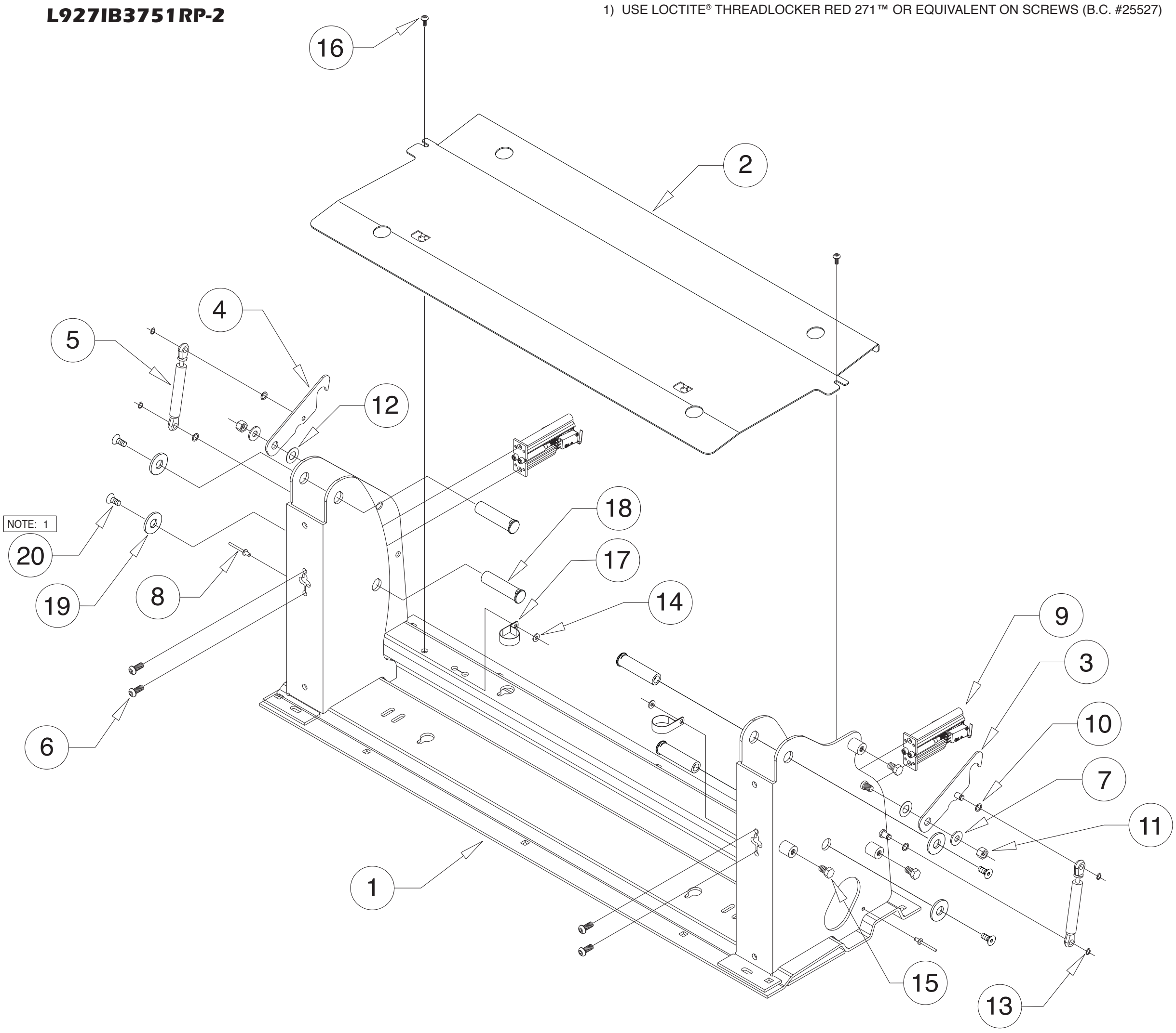
Base Plate Assembly

Applicable Lifts:

L917IB3751RP-2
L927IB3751RP-2

NOTICE

1) USE LOCTITE® THREADLOCKER RED 271™ OR EQUIVALENT ON SCREWS (B.C. #25527)



ITEM	QTY.	PART NO.	DESCRIPTION
20	4	25527	SCREW-5/16-18 X 3/4" FHS/AUTO-BK
19	4	25346	WASHER-1/2" FLAT/AUTO BK
18	4	936-0403	PIN-PIVOT PARALLEL ARM
17	2	29765	CLAMP-INSULATED-1 3/8"
16	2	15733	BOLT-1/4-20 X 1/2" BHSC/AUTO-BK
15	3	29729	BOLT-3/8-16 X 1/2" W/NYLOCK PATCH
14	2	11541	WASHER-#10 FLAT/AUTO-BK
13	4	24570	RING-5/16" EXT SNAP/ZINC PLATED
12	2	11913	WASHER-1/2" NYLON
11	2	28339BK	NUT-3/8-16 UNC TOP LOCK/AUTO-BK
10	4	26614	O-RING 5/16" ID X 1/16"
9	2	975-4121A	MICRO SWITCH ASSY
8	2	14993	RIV-POP-SD66BS-3/16"-.25/.38"/AUTO-BK
7	2	10063	WASHER-5/16" FLAT
6	4	24440	BOLT-5/16-18 X 3/4"-BHSC/AUTO-BK
5	2	26963	SPRING-DAMP 5.67 E/4.291 C,P1=3.37N-RET
4	1	27208RW	WMT-LATCH-LIFT-TITE REAR-RETRO
3	1	27208FW	WMT-LATCH-LIFT-TITE FRONT-RETRO
2	1	917-2149-37	BASE COVER /-2 INTERNATIONAL - 37"
1	1	945-3148RNW37	WMT-BASE-REAR/48" FTG

Exploded Views and Parts Lists

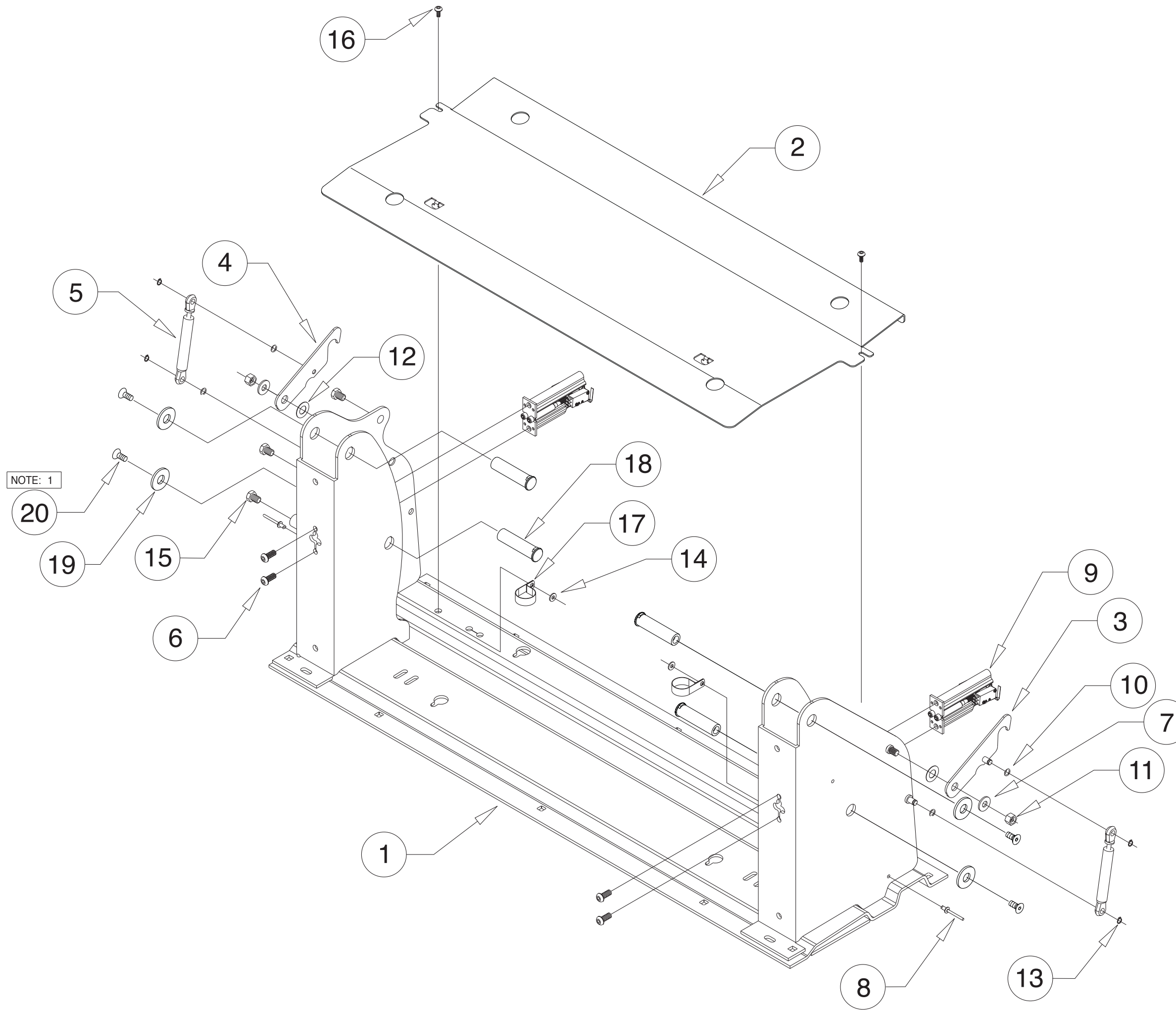
Base Plate Assembly

Applicable Lifts:

L917FIB3751RP-2
L927FIB3751RP-2

NOTICE

1) USE LOCTITE® THREADLOCKER RED 271™ OR EQUIVALENT ON SCREWS (B.C. #25527)



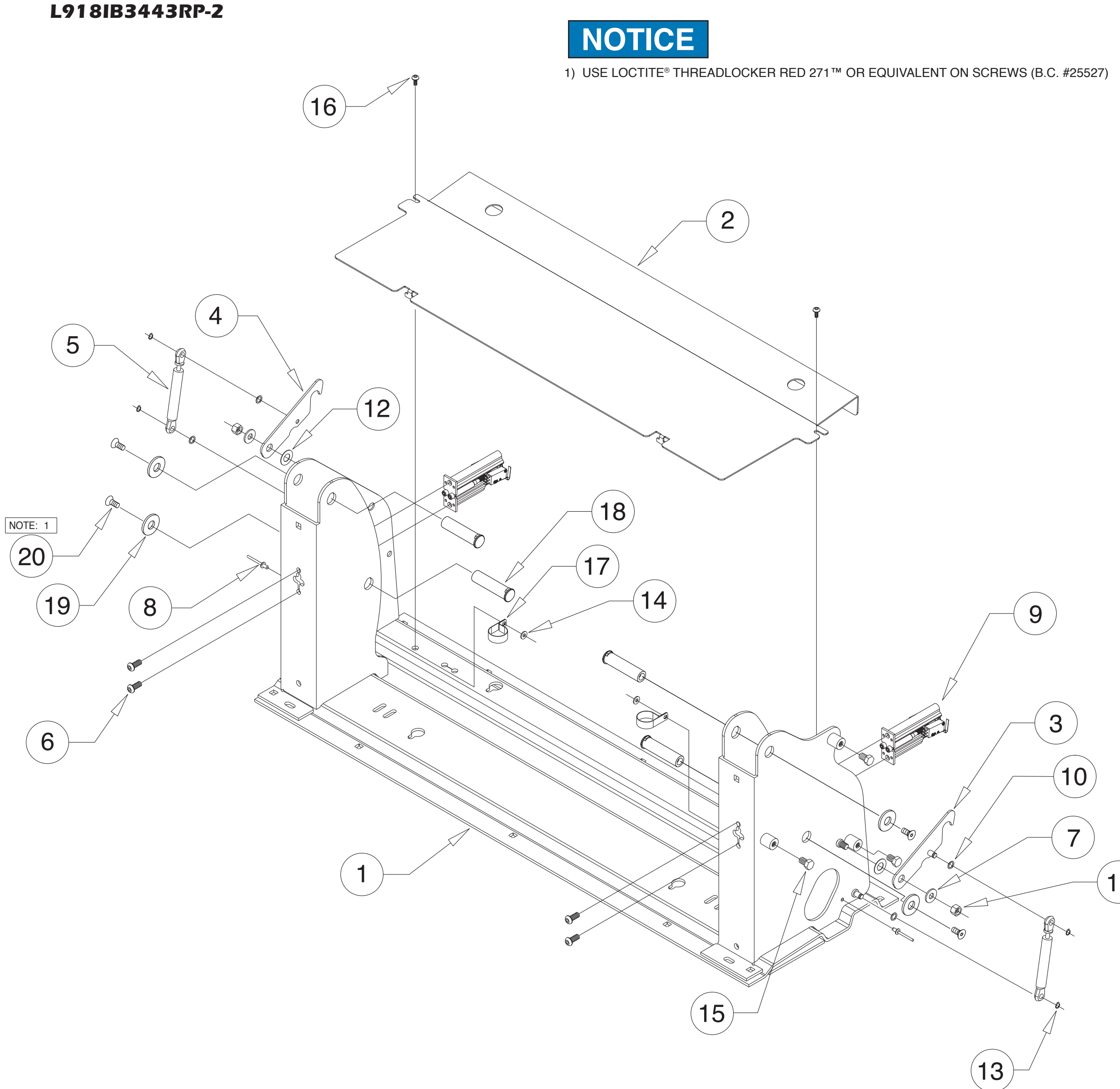
ITEM	QTY.	PART NO.	DESCRIPTION
20	4	25527	SCREW-5/16-18 X 3/4" FHS/AUTO-BK
19	4	25346	WASHER-1/2" FLAT/AUTO BK
18	4	936-0403	PIN-PIVOT PARALLEL ARM
17	2	29765	CLAMP-INSULATED-1 3/8"
16	2	15733	BOLT-1/4-20 X 1/2" BHSC/AUTO-BK
15	3	29729	BOLT-3/8-16 X 1/2" W/NYLOCK PATCH
14	2	11541	WASHER-#10 FLAT/AUTO-BK
13	4	24570	RING-5/16" EXT SNAP/ZINC PLATED
12	2	11913	WASHER-1/2" NYLON
11	2	28339BK	NUT-3/8-16 UNC TOP LOCK/AUTO-BK
10	4	26614	O-RING 5/16" ID X 1/16"
9	2	975-4121A	MICRO SWITCH ASSY
8	2	14993	RIV-POP-SD66BS-3/16"-.25/.38"/AUTO-BK
7	2	10063	WASHER-5/16" FLAT
6	4	24440	BOLT-5/16-18 X 3/4"-BHSC/AUTO-BK
5	2	26963	SPRING-DAMP 5.67 E/4.291 C,P1=3.37N-RET
4	1	27208RW	WMT-LATCH-LIFT-TITE REAR-RETRO
3	1	27208FW	WMT-LATCH-LIFT-TITE FRONT-RETRO
2	1	917-2149-37	BASE COVER /-2 INTERNATIONAL - 37"
1	1	945-3148FNW37	WMT-BASE-FRONT/48" FTG

Exploded Views and Parts Lists

Base Plate Assembly

Applicable Lift:

L918IB3443RP-2



ITEM	QTY.	PART NO.	DESCRIPTION
20	4	25527	SCREW-5/16-18 X 3/4" FHS/AUTO-BK
19	4	25346	WASHER-1/2" FLAT/AUTO BK
18	4	936-0403	PIN-PIVOT PARALLEL ARM
17	2	29765	CLAMP-INSULATED-1 3/8"
16	2	15733	BOLT-1/4-20 X 1/2" BHSC/AUTO-BK
15	3	29729	BOLT-3/8-16 X 1/2" W/NYLOCK PATCH
14	2	11541	WASHER-#10 FLAT/AUTO-BK
13	4	24570	RING-5/16" EXT SNAP/ZINC PLATED
12	2	11913	WASHER-1/2" NYLON
11	2	28339BK	NUT-3/8-16 UNC TOP LOCK/AUTO-BK
10	4	26614	O-RING 5/16" ID X 1/16"
9	2	975-4121A	MICRO SWITCH ASSY
8	2	14993	RIV-POP-SD66BS-3/16"-.25/.38"/AUTO-BK
7	2	10063	WASHER-5/16" FLAT
6	4	24440	BOLT-5/16-18 X 3/4"-BHSC/AUTO-BK
5	2	26963	SPRING-DAMP 5.67 E/4.291 C,P1=3.37N-RET
4	1	27208RW	WMT-LATCH-LIFT-TITE REAR-RETRO
3	1	27208FW	WMT-LATCH-LIFT-TITE FRONT-RETRO
2	1	918-2149-34	BASE COVER /-2 INTERNATIONAL - 34"
1	1	956-0142RNW34	WMT-BASE-REAR/42" FTG

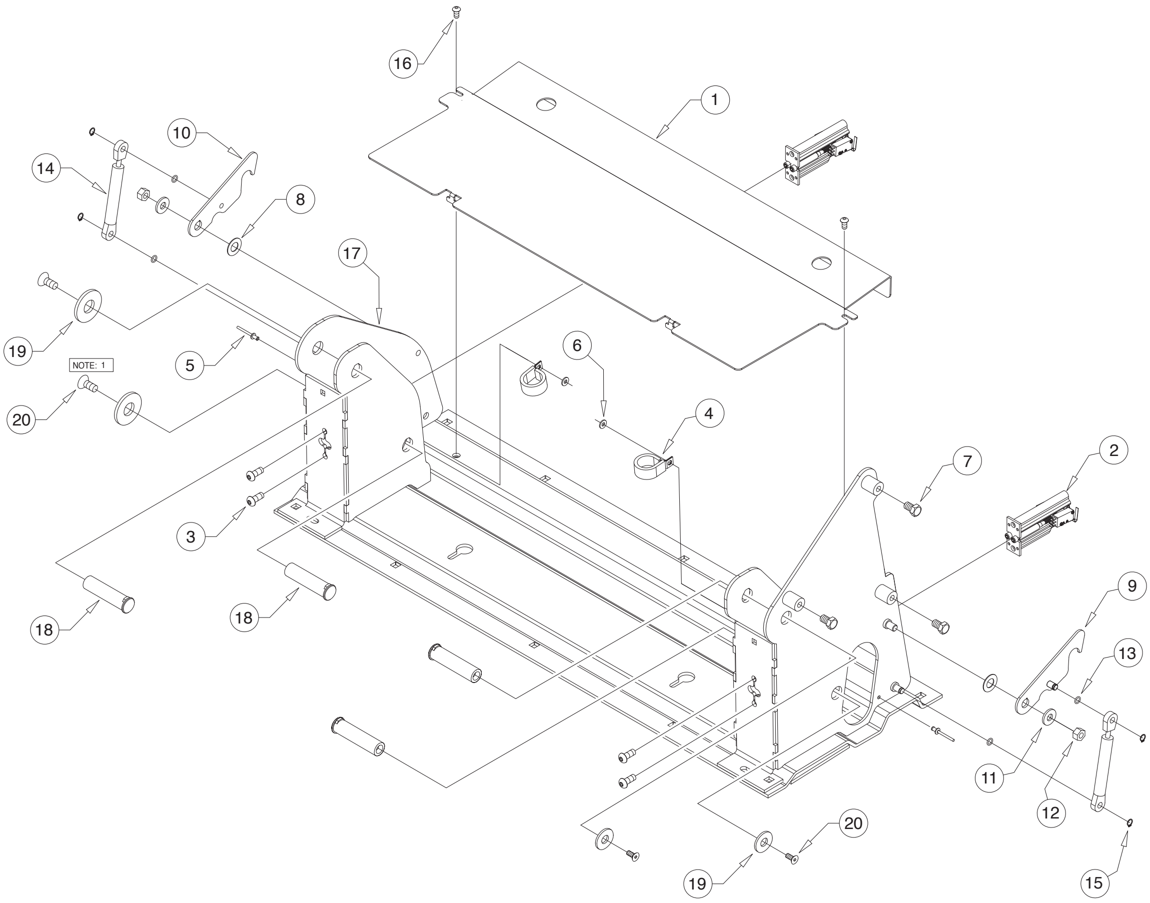
Exploded Views and Parts Lists

Base Plate Assembly

Applicable Lift:
L990IB2740-2

NOTICE

1) APPLY LOCTITE® THREADLOCKER RED 271™ OR EQUIVALENT TO ALL #25527 SCREWS.



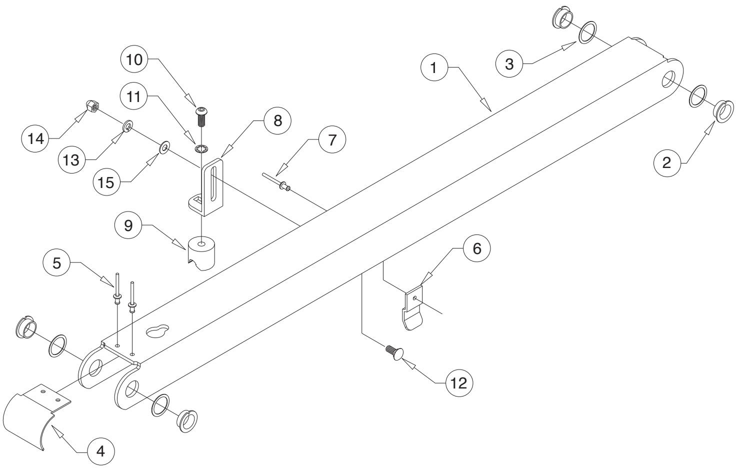
ITEM	QTY.	PART NO.	DESCRIPTION
20	4	25527	SCREW-5/16-18 X 3/4" FHS/AUTO-BK
19	4	25346	WASHER-1/2" FLAT/AUTO-BK
18	4	936-0403	PIN-PIVOT PARALLEL
17	1	991-0142RW27	WMT-BASE-REAR-26/FTG
16	2	15733	BOLT-1/4-20 X 1/2 BUT HD SOC/AUTO-BK
15	4	24570	RING-5/16 EXT SNAP/ZINC PLATED
14	2	26963	SPRING-DAMP5.67 E/4.291 C,P1=3.37N-RET
13	4	26614	O-RING-5/16ID X 1/16
12	2	28339BK	NUT-3/8-16 UNC HEX LOCK/AUTO-BK
11	2	10063	WASHER-5/16 FLAT
10	1	27013RW	WMT-LATCH-LIFT-TITE REAR-RETRO
9	1	27013FW	WMT-LATCH-LIFT-TITE FRONT-RETRO
8	2	11913	WASHER-1/2" NYLON
7	3	29729	BOLT-3/8-16 X 1/2 W/NYLOCK PATCH
6	2	11541	WASHER-#10 FLAT/AUTO-BK
5	2	14993	RIV-POP-SD66BS-3/16"-.25/.38/AUTO-BK
4	2	29765	CLAMP-INSULATE 1 3/8"
3	4	24440	BOLT-5/16-18 X 3/4-BHSC/AUTO-BK
2	2	975-4121A	MICRO SWITCH ASSY.
1	1	917-2149-27	BASE-COVER/-2 INTERNATIONAL-27"

Exploded Views and Parts Lists

Top Parallel Arm Assembly - Front

Applicable Lifts:

All L917's
All L927's
All L919's
All L929's

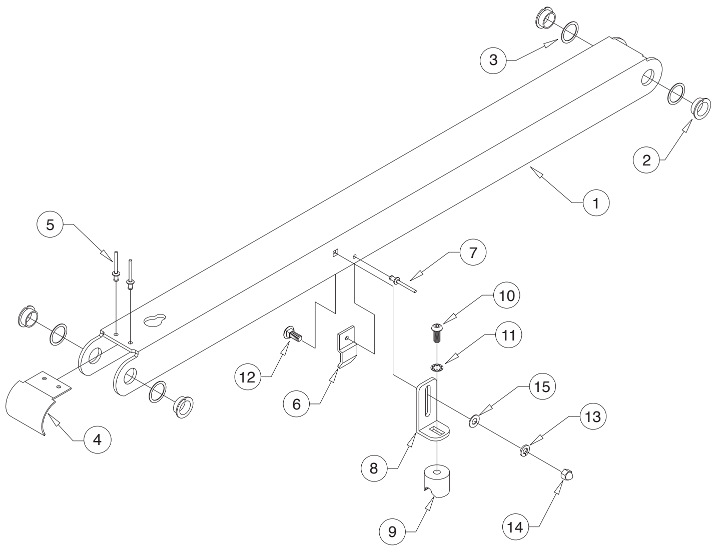


ITEM	QTY.	PART NO.	DESCRIPTION
15	1	10062	WASHER-1/4" FLAT/AUTO-BK
14	1	30996BK	NUT-5/16-18 ACORN
13	1	10068	WASHER-5/16" LOCK/AUTO-BK
12	1	15858BK	BOLT-CARR 5/16-18 X 3/4/AUTO-BK
11	1	16368	WASHER-5/16" EXTERNAL TOOTH
10	1	24440	BOLT-5/16-18 X 3/4-BHSC/AUTO-BK
9	1	28593A	ASSY-BLOCK-GUIDE-PLATFORM-STOW
8	1	955-2392CLXT	BKT.-QUIET-RIDE MTG.-955
7	1	14993	RIV-POP-SD66BS-3/16"-.25/.38/AUTO-BK
6	1	915-0703	BRACKET-INNER SIDE PANEL GUIDE
5	2	11513	RIV-POP-SD64BS-3/16"-.13/.25/AUTO-BK
4	1	945-0450	CAP-PARALLEL ARM
3	4	34398	WASHER-0.906"ID X 1.25"OD X .075"TH/ZINC
2	4	24011	BEARING-FLANGE-3/4" X 3/8"-12FDU06
1	1	945-3419FNA	ARM-PARALLEL/TOP-FRONT (Incl. Items 1-15)

Top Parallel Arm Assembly - Rear

Applicable Lifts:

All L917's
All L927's
All L919's
All L929's

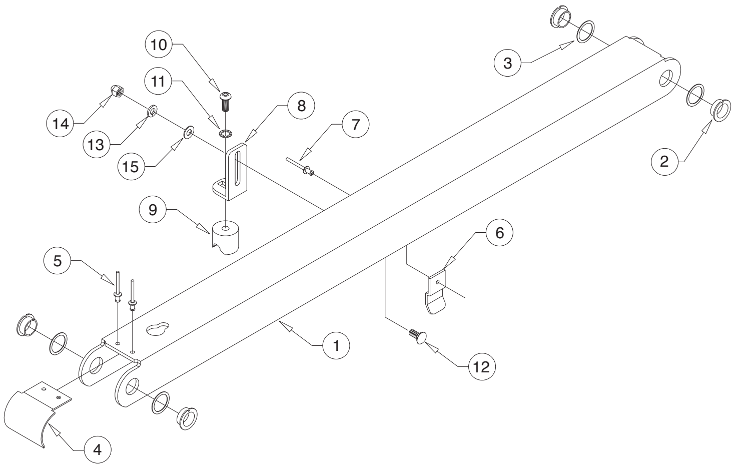


ITEM	QTY.	PART NO.	DESCRIPTION
15	1	10062	WASHER-1/4" FLAT/AUTO-BK
14	1	30996BK	NUT-5/16-18 ACORN
13	1	10068	WASHER-5/16" LOCK/AUTO-BK
12	1	15858BK	BOLT-CARR 5/16-18 X 3/4/AUTO-BK
11	1	16368	WASHER-5/16" EXTERNAL TOOTH
10	1	24440	BOLT-5/16-18 X 3/4-BHSC/AUTO-BK
9	1	28593A	ASSY-BLOCK-GUIDE-PLATFORM-STOW
8	1	955-2392CLXT	BKT.-QUIET-RIDE MTG.-955
7	1	14993	RIV-POP-SD66BS-3/16"-.25/.38/AUTO-BK
6	1	915-0703	BRACKET-INNER SIDE PANEL GUIDE
5	2	11513	RIV-POP-SD64BS-3/16"-.13/.25/AUTO-BK
4	1	945-0450	CAP-PARALLEL ARM
3	4	34398	WASHER-0.906"ID X 1.25"OD X .075"TH/ZINC
2	4	24011	BEARING-FLANGE-3/4" X 3/8"-12FDU06
1	1	945-3419RNA	ARM-PARALLEL/TOP/48" FTG/R (Incl. Items 1-15)

Exploded Views and Parts Lists

Top Parallel Arm Assembly - Front

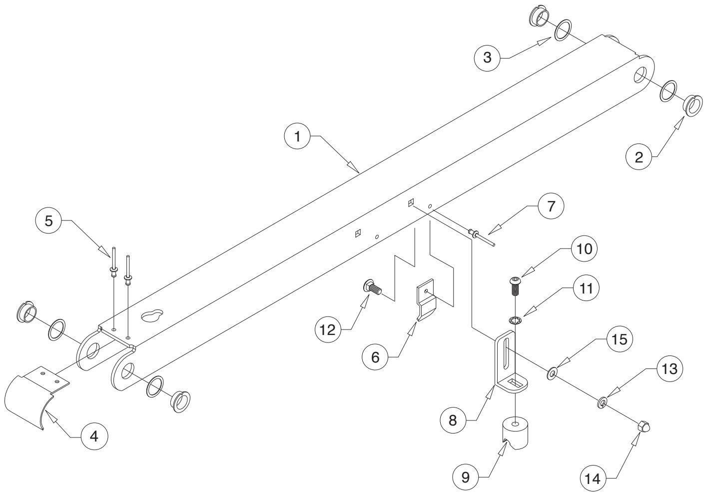
Applicable Lift:
L918IB3443RP-2



ITEM	QTY.	PART NO.	DESCRIPTION
15	1	10062	WASHER-1/4" FLAT/AUTO-BK
14	1	30996BK	NUT-5/16-18 ACORN
13	1	10068	WASHER-5/16" LOCK/AUTO-BK
12	1	15858BK	BOLT-CARR 5/16-18 X 3/4"/AUTO-BK
11	1	16368	WASHER-5/16" EXTERNAL TOOTH
10	1	24440	BOLT-5/16-18 X 3/4"-BHSC/AUTO-BK
9	1	28593A	ASSY-BLOCK-GUIDE-PLATFORM-STOW
8	1	955-2392CLXT	BKT.-QUIET-RIDE MTG.-955
7	1	14993	RIV-POP-SD66BS-3/16"-.25"/.38"/AUTO-BK
6	1	915-0703	BRACKET-INNER SIDE PANEL GUIDE
5	2	11513	RIV-POP-SD64BS-3/16"-.13"/.25"/AUTO-BK
4	1	945-0450	CAP-PARALLEL ARM
3	4	34398	WASHER-0.906"ID X 1.25"OD X .075"TH/ZINC
2	4	24011	BEARING-FLANGE-3/4" X 3/8"-12FDU06
1	1	956-3419FNA	ARM-PARALLEL/TOP/42"-FRONT (Incl. Items 1-15)

Top Parallel Arm Assembly - Rear

Applicable Lift:
L918IB3443RP-2



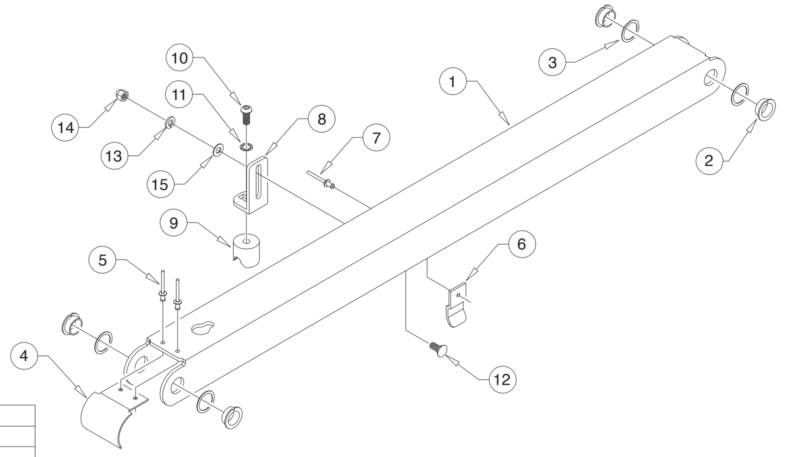
ITEM	QTY.	PART NO.	DESCRIPTION
15	1	10062	WASHER-1/4" FLAT/AUTO-BK
14	1	30996BK	NUT-5/16-18 ACORN
13	1	10068	WASHER-5/16" LOCK/AUTO-BK
12	1	15858BK	BOLT-CARR 5/16-18 X 3/4"/AUTO-BK
11	1	16368	WASHER-5/16" EXTERNAL TOOTH
10	1	24440	BOLT-5/16-18 X 3/4"-BHSC/AUTO-BK
9	1	28593A	ASSY-BLOCK-GUIDE-PLATFORM-STOW
8	1	955-2392CLXT	BKT.-QUIET-RIDE MTG.-955
7	1	14993	RIV-POP-SD66BS-3/16"-.25"/.38"/AUTO-BK
6	1	915-0703	BRACKET-INNER SIDE PANEL GUIDE
5	2	11513	RIV-POP-SD64BS-3/16"-.13"/.25"/AUTO-BK
4	1	945-0450	CAP-PARALLEL ARM
3	4	34398	WASHER-0.906"ID X 1.25"OD X .075"TH/ZINC
2	4	24011	BEARING-FLANGE-3/4" X 3/8"-12FDU06
1	1	956-3419RNA	ARM-PARALLEL/TOP/42" REAR (Incl. Items 1-15)

Exploded Views and Parts Lists

Top Parallel Arm Assembly - Front

Applicable Lift:

L990IB2740-2

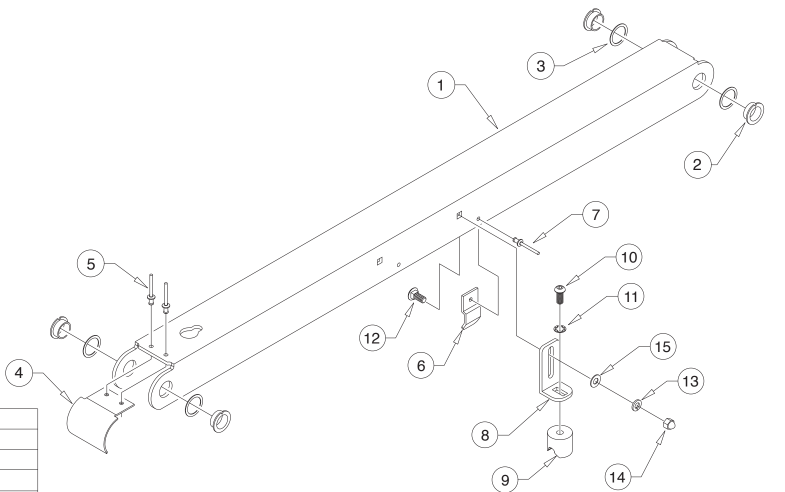


ITEM	QTY.	PART NO.	DESCRIPTION
15	1	10062	WASHER-1/4" FLAT/AUTO-BK
14	1	30996BK	NUT-5/16-18 ACORN
13	1	10068	WASHER-5/16" LOCK/AUTO-BK
12	1	15858BK	BOLT-CARR 5/16-18 X 3/4/AUTO-BK
11	1	16368	WASHER-5/16" EXTERNAL TOOTH
10	1	24440	BOLT-5/16-18 X 3/4-BHSC/AUTO-BK
9	1	28593A	ASSY-BLOCK-GUIDE-PLATFORM-STOW
8	1	955-2392CLXT	BKT.-QUIET-RIDE MTG.-955
7	1	14993	RIV-POP-SD66BS-3/16"-.25/.38/AUTO-BK
6	1	915-0703	BRACKET-INNER SIDE PANEL GUIDE
5	2	11513	RIV-POP-SD64BS-3/16"-.13/.25/AUTO-BK
4	1	945-0450	CAP-PARALLEL ARM
3	4	34398	WASHER-0.906"ID X 1.25"OD X .075"TH/ZINC
2	4	24011	BEARING-FLANGE-3/4" X 3/8"-12FDU06
1	1	991-0401FA	ARM-PARALLEL/TOP-FRONT (Incl. Items 1-15)

Top Parallel Arm Assembly - Rear

Applicable Lift:

L990IB2740-2



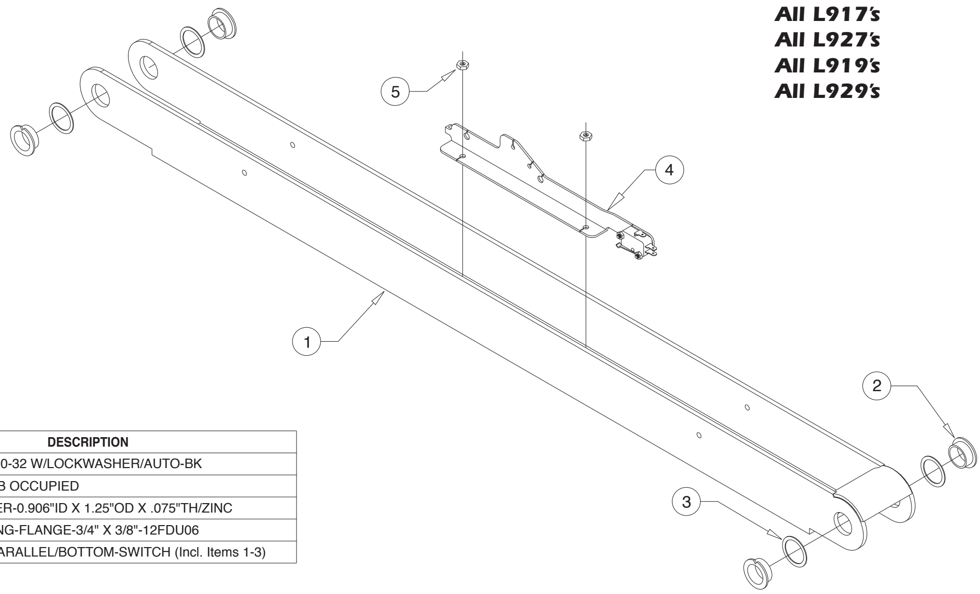
ITEM	QTY.	PART NO.	DESCRIPTION
15	1	10062	WASHER-1/4" FLAT/AUTO-BK
14	1	30996BK	NUT-5/16-18 ACORN
13	1	10068	WASHER-5/16" LOCK/AUTO-BK
12	1	15858BK	BOLT-CARR 5/16-18 X 3/4/AUTO-BK
11	1	16368	WASHER-5/16" EXTERNAL TOOTH
10	1	24440	BOLT-5/16-18 X 3/4-BHSC/AUTO-BK
9	1	28593A	ASSY-BLOCK-GUIDE-PLATFORM-STOW
8	1	955-2392CLXT	BKT.-QUIET-RIDE MTG.-955
7	1	14993	RIV-POP-SD66BS-3/16"-.25/.38/AUTO-BK
6	1	915-0703	BRACKET-INNER SIDE PANEL GUIDE
5	2	11513	RIV-POP-SD64BS-3/16"-.13/.25/AUTO-BK
4	1	945-0450	CAP-PARALLEL ARM
3	4	34398	WASHER-0.906"ID X 1.25"OD X .075"TH/ZINC
2	4	24011	BEARING-FLANGE-3/4" X 3/8"-12FDU06
1	1	991-0401RA	ARM-PARALLEL/TOP-REAR (Incl. Items 1-15)

Exploded Views and Parts Lists

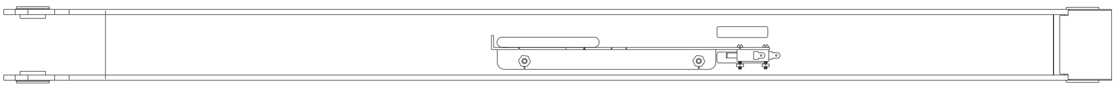
Bottom Parallel Arm Assembly - Pump Side

Applicable Lifts:

All L917's
All L927's
All L919's
All L929's



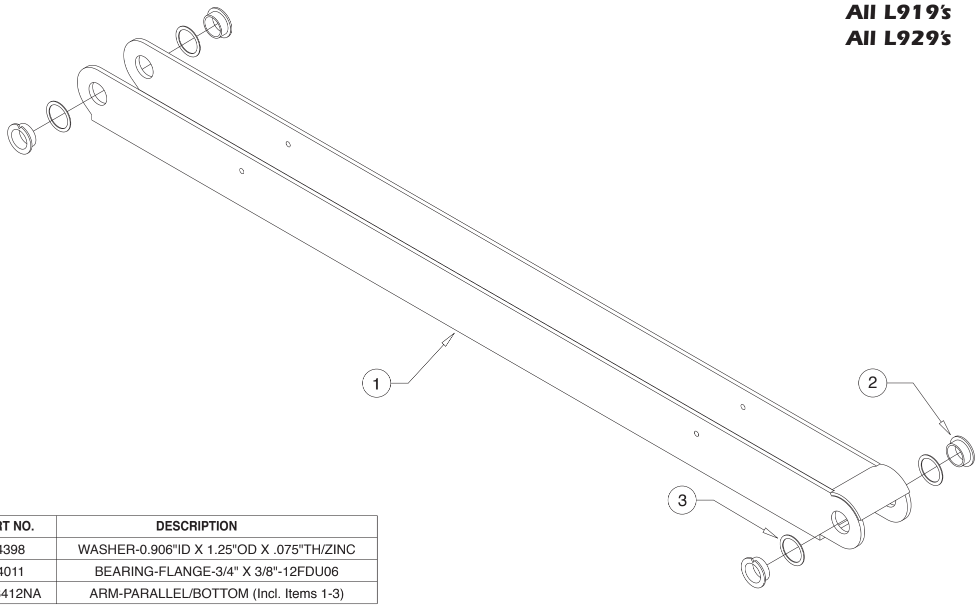
ITEM	QTY.	PART NO.	DESCRIPTION
5	2	18349	NUT-#10-32 W/LOCKWASHER/AUTO-BK
4	1	32514A	ASSY-IB OCCUPIED
3	4	34398	WASHER-0.906"ID X 1.25"OD X .075"TH/ZINC
2	4	24011	BEARING-FLANGE-3/4" X 3/8"-12FDU06
1	1	945-3458NKS	ARM-PARALLEL/BOTTOM-SWITCH (Incl. Items 1-3)



Bottom Parallel Arm Assembly - Opposite Pump Side

Applicable Lifts:

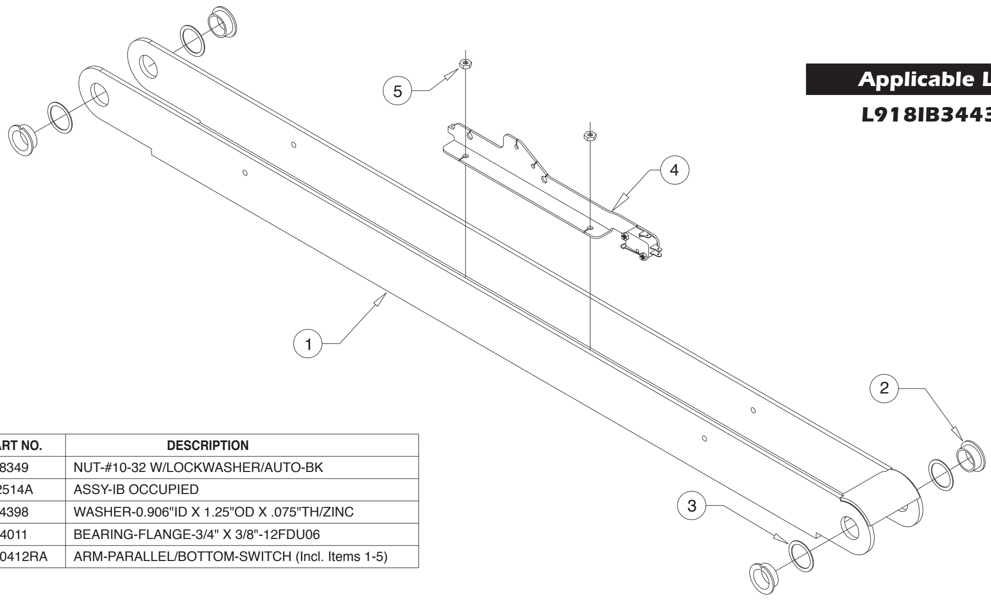
All L917's
All L927's
All L919's
All L929's



ITEM	QTY.	PART NO.	DESCRIPTION
3	4	34398	WASHER-0.906"ID X 1.25"OD X .075"TH/ZINC
2	4	24011	BEARING-FLANGE-3/4" X 3/8"-12FDU06
1	1	945-3412NA	ARM-PARALLEL/BOTTOM (Incl. Items 1-3)

Exploded Views and Parts Lists

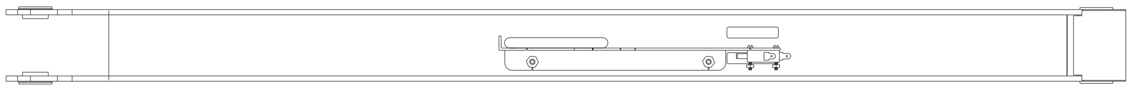
Bottom Parallel Arm Assembly - Pump Side



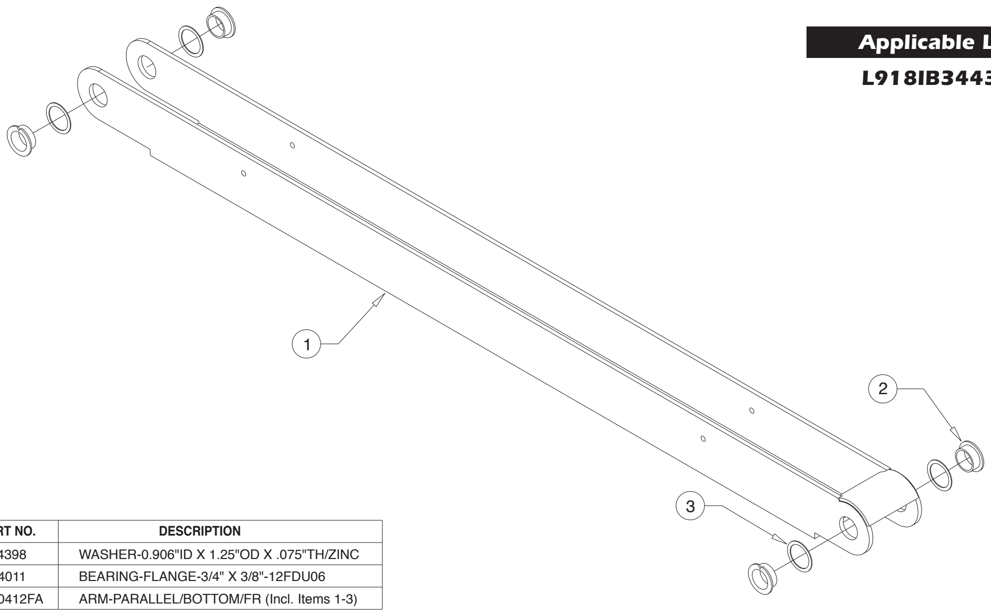
Applicable Lift:

L918IB3443RP-2

ITEM	QTY.	PART NO.	DESCRIPTION
5	2	18349	NUT-#10-32 W/LOCKWASHER/AUTO-BK
4	1	32514A	ASSY-IB OCCUPIED
3	4	34398	WASHER-0.906"ID X 1.25"OD X .075"TH/ZINC
2	4	24011	BEARING-FLANGE-3/4" X 3/8"-12FDU06
1	1	994-0412RA	ARM-PARALLEL/BOTTOM-SWITCH (Incl. Items 1-5)



Bottom Parallel Arm Assembly - Opposite Pump Side



Applicable Lift:

L918IB3443RP-2

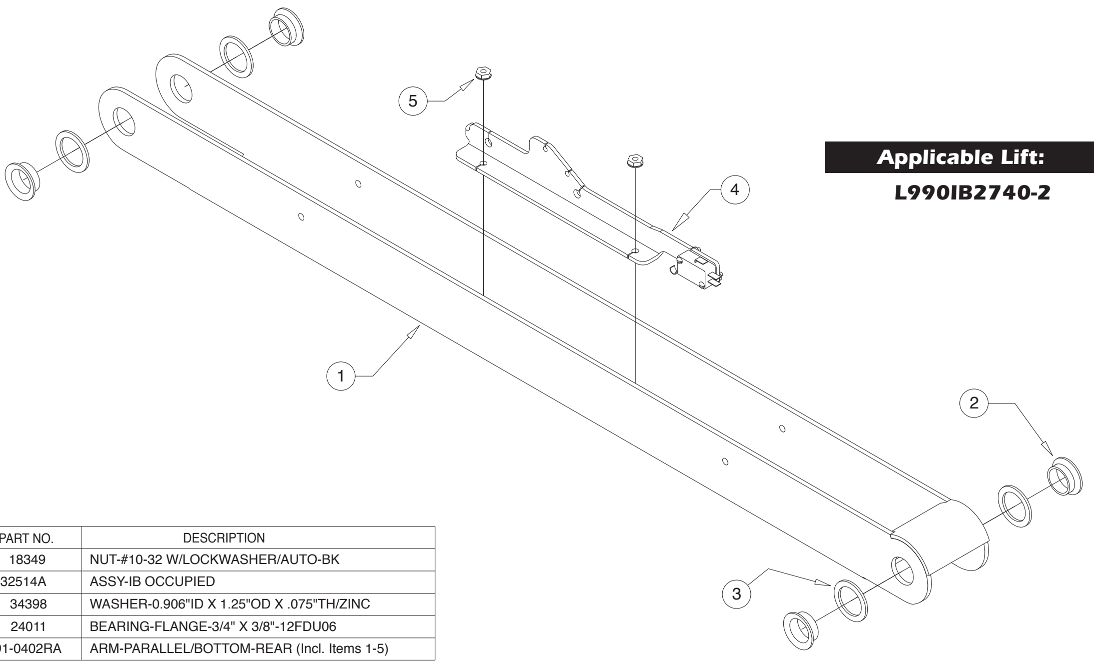
ITEM	QTY.	PART NO.	DESCRIPTION
3	4	34398	WASHER-0.906"ID X 1.25"OD X .075"TH/ZINC
2	4	24011	BEARING-FLANGE-3/4" X 3/8"-12FDU06
1	1	994-0412FA	ARM-PARALLEL/BOTTOM/FR (Incl. Items 1-3)

Exploded Views and Parts Lists

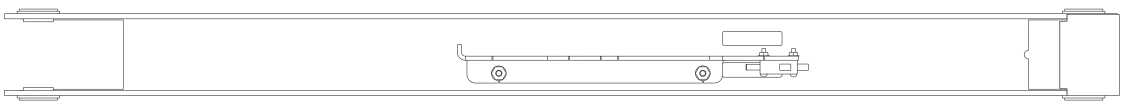
Bottom Parallel Arm Assembly - Pump Side

Applicable Lift:

L990IB2740-2



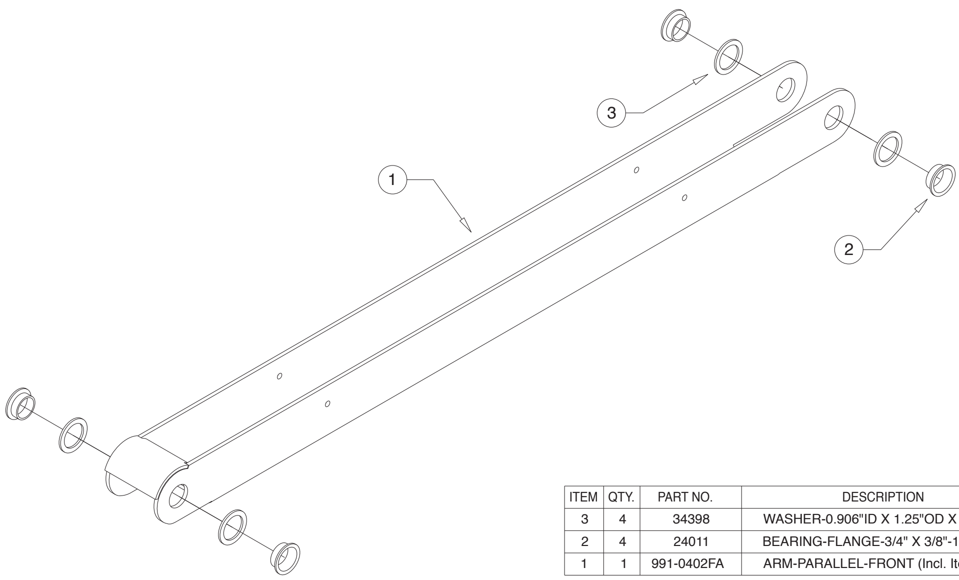
ITEM	QTY.	PART NO.	DESCRIPTION
5	2	18349	NUT-#10-32 W/LOCKWASHER/AUTO-BK
4	1	32514A	ASSY-IB OCCUPIED
3	4	34398	WASHER-0.906"ID X 1.25"OD X .075"TH/ZINC
2	4	24011	BEARING-FLANGE-3/4" X 3/8"-12FDU06
1	1	991-0402RA	ARM-PARALLEL/BOTTOM-REAR (Incl. Items 1-5)



Bottom Parallel Arm Assembly - Opposite Pump Side

Applicable Lift:

L990IB2740-2



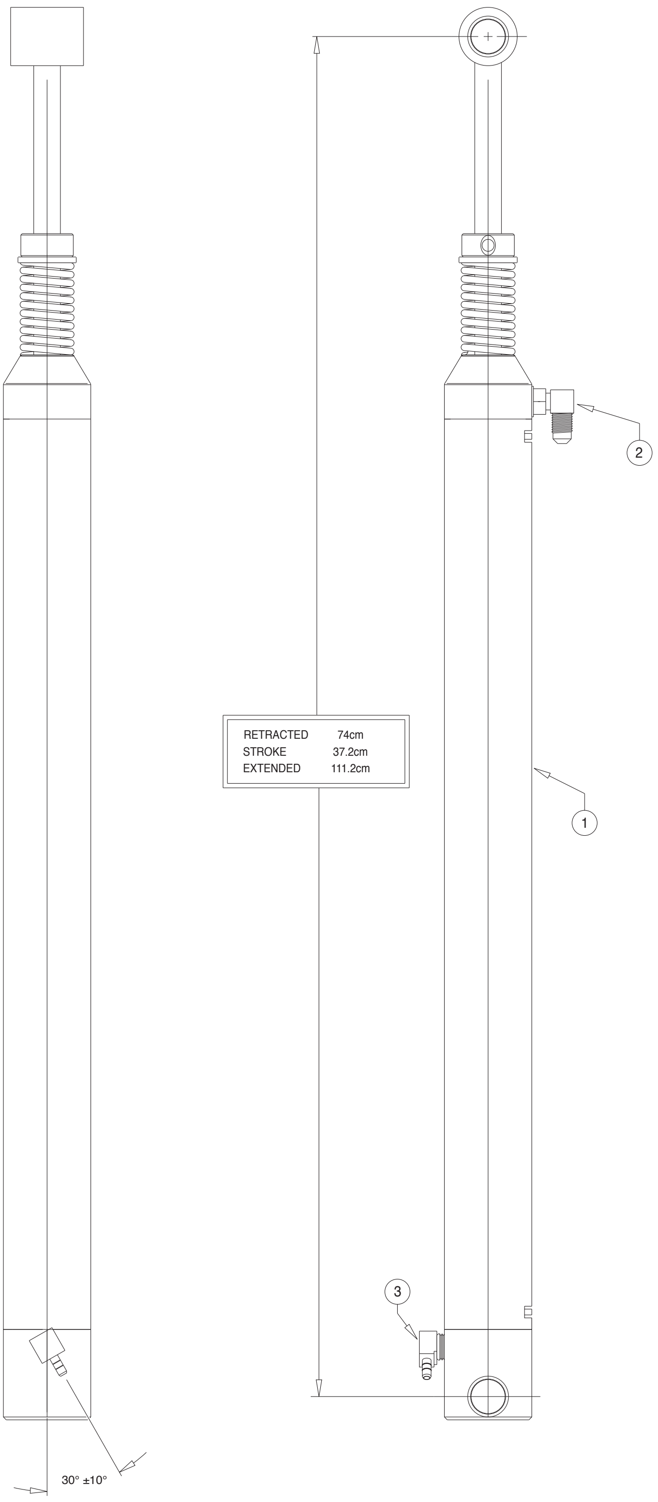
ITEM	QTY.	PART NO.	DESCRIPTION
3	4	34398	WASHER-0.906"ID X 1.25"OD X .075"TH/ZINC
2	4	24011	BEARING-FLANGE-3/4" X 3/8"-12FDU06
1	1	991-0402FA	ARM-PARALLEL-FRONT (Incl. Items 1-3)

Exploded Views and Parts Lists

Hydraulic Cylinder Assembly - Main

Applicable Lifts:

All L917's
All L927's
All L919's
All L929's



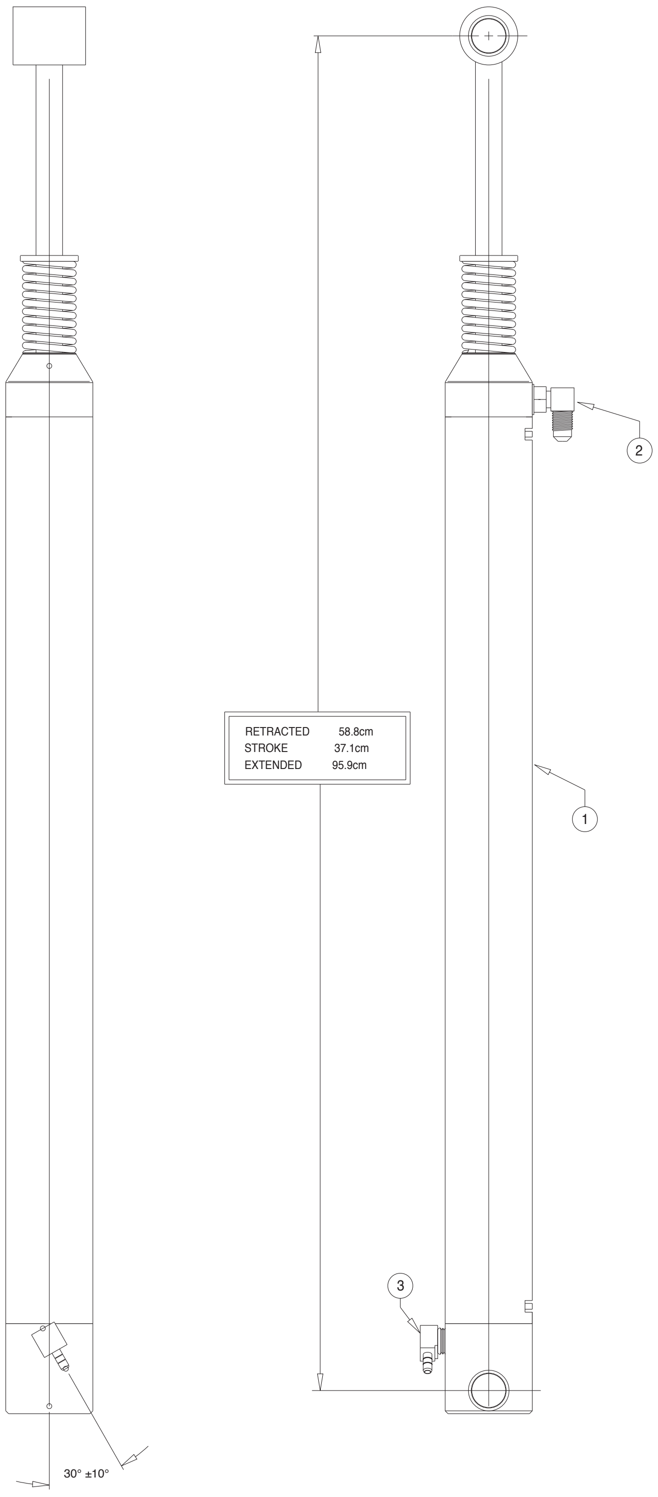
ITEM	QTY.	PART NO.	DESCRIPTION
3	1	15150	ELBOW-1/4 NPT 90° 1/4 BARB
2	1	26667	ELBOW-7/16-20 M/O-RNG/37°/.035 ORFICE
1	1	C1514.3-0408N	CYLINDER-14.625"/29.146 RETRACTED

Exploded Views and Parts Lists

Hydraulic Cylinder Assembly - Main

Applicable Lift:

L918IB3443RP-2

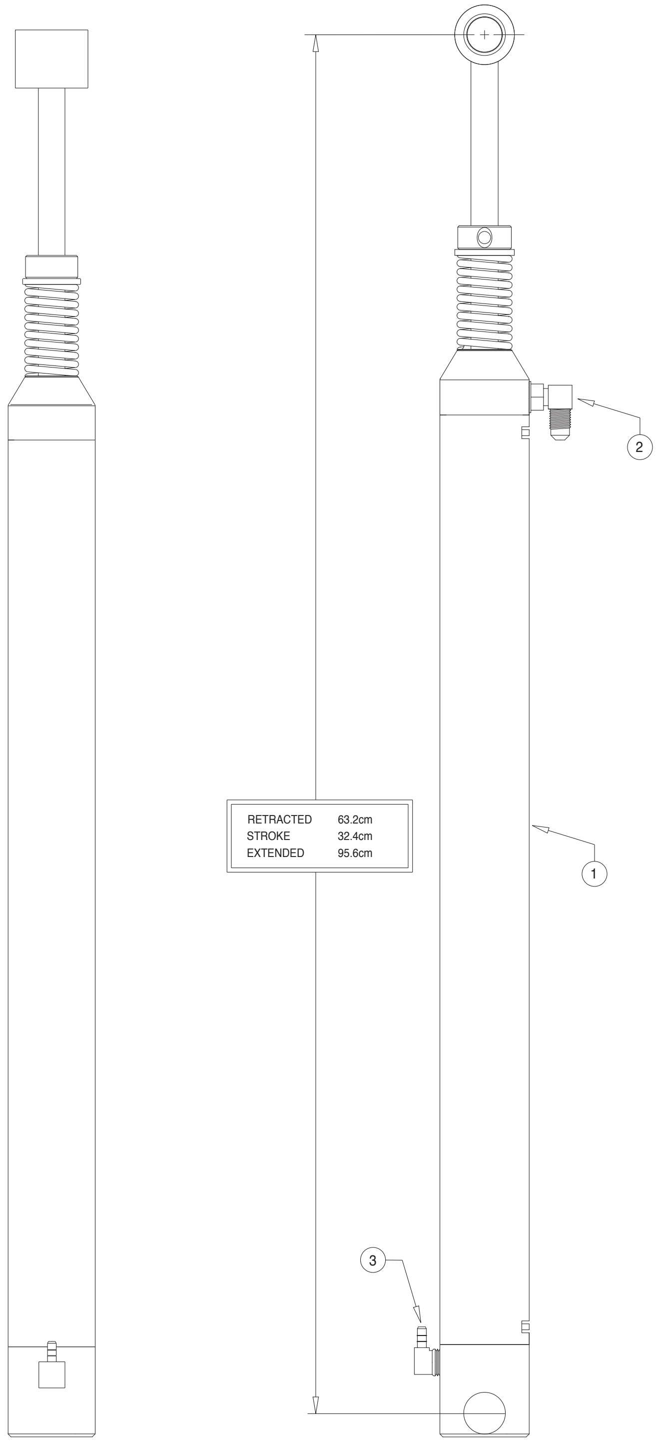


ITEM	QTY.	PART NO.	DESCRIPTION
3	1	15150	ELBOW-1/4 NPT 90° 1/4 BARB
2	1	26667	ELBOW-7/16-20 M/O-RNG/37°/.035 ORFICE
1	1	C1514.3-0407N	CYLINDER-14.625"/23.146 RETRACTED

Exploded Views and Parts Lists

Hydraulic Cylinder Assembly - Main

Applicable Lift:
L990IB2740-2



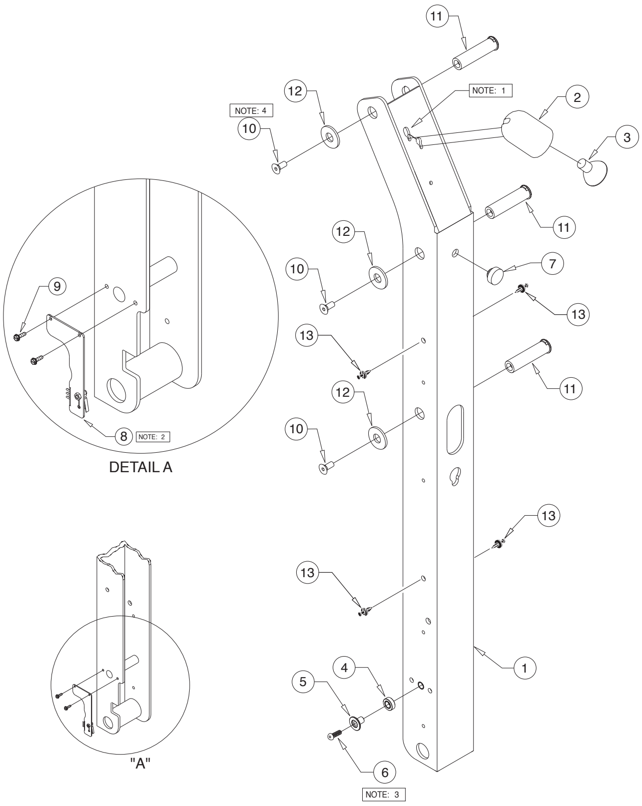
ITEM	QTY.	PART NO.	DESCRIPTION
3	1	15150	ELBOW-1/4 NPT 90° 1/4 BARB
2	1	26667	ELBOW-7/16-20 M/O-RNG/37°/.035 ORFICE
1	1	C1512.8-0408LT	CYLINDER-12.750"/24.883 RETRACTED

Exploded Views and Parts Lists

Vertical Arm Assembly - Rear

Applicable Lifts:

All L917's
All L927's
All L919's
All L929's



NOTICE

1) INSERT SOCKET OF LIGHT ASSY THRU TOP KEY WHILE INSTALLING LIGHT. TIGHTEN SCREWS.

2) HARNESS TO BE TUCKED INSIDE CHANNEL.

3) APPLY LOCTITE® THREADLOCKER BLUE 242® TO SCREW 81064-000.

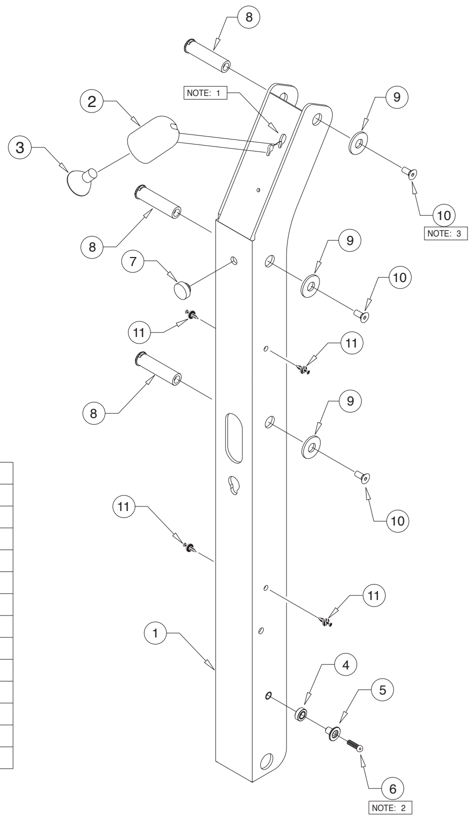
4) APPLY LOCTITE® THREADLOCKER RED 271™ TO SCREWS #25527.

ITEM	QTY.	PART NO.	DESCRIPTION
13	4	30063	RIVET-PUSH IN-8MM
12	3	25346	WASHER-1/2" FLAT/AUTO BK
11	3	936-0403	PIN-PIVOT PARALLEL ARM
10	3	25527	SCREW-5/16-18 X 3/4" FHS/AUTO-BK
9	2	37049	SCREW-#4-40 X 3/8"-THREAD FORM
8	1	33689A	ASSY-BRIDGE SWITCH W/ HARN/NL/NCL-2
7	1	32408	RUBBER BUMPER-VERT CHAN.
6	1	81064-000	SCREW-1/4-20 X 1 BHCS SS
5	1	945-5353	RETAINER-LIFT TITE ROLLER
4	1	1000-2395A	ROLLER ASSY-ARM-TORQUE SHAFT
	1	36116	BULB-LIGHT-24V-20W-HALOGEN REFLECTOR
3	1	31060	BULB-LIGHT-20W-HALOGEN REFLECTOR
	1	31062A-24V	ASSY-LIGHT-VERTICAL CHANNEL w/24V BULB
2	1	31062A	ASSY-LIGHT-VERTICAL CHANNEL w/BULB
1	1	945-3448RNW	WMT-VERTICAL CHANNEL-REAR-48"

Vertical Arm Assembly - Front

Applicable Lifts:

All L917's
All L927's
All L919's
All L929's



NOTICE

1) INSERT SOCKET OF LIGHT ASSY THRU TOP KEY WHILE INSTALLING LIGHT. TIGHTEN SCREWS.

2) APPLY LOCTITE® THREADLOCKER BLUE 242® TO SCREW 81064-000.

3) APPLY LOCTITE® THREADLOCKER RED 271™ TO SCREWS #25527.

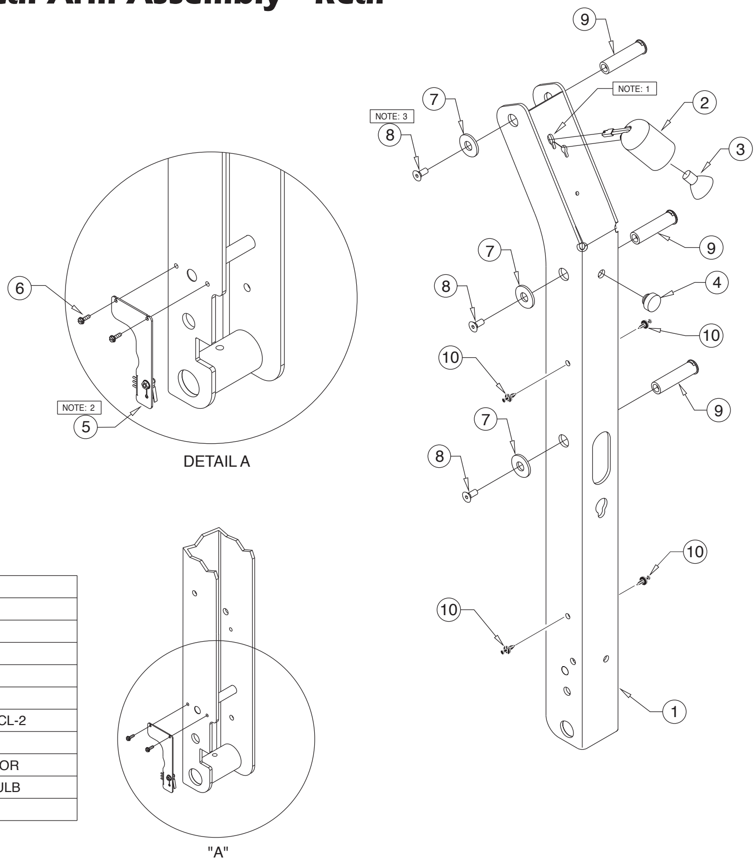
ITEM	QTY.	PART NO.	DESCRIPTION
11	4	30063	RIVET-PUSH IN-8MM
10	3	25527	SCREW-5/16-18 X 3/4" FHS/AUTO-BK
9	3	25346	WASHER-1/2" FLAT/AUTO BK
8	3	936-0403	PIN-PIVOT PARALLEL ARM
7	1	32408	RUBBER BUMPER-VERT CHAN.
6	1	81064-000	SCREW-1/4-20 X BHCS SS
5	1	945-5353	RETAINER-LIFT TITE ROLLER
4	1	1000-2395A	ROLLER-ASSY-ARM-TORQUE SHAFT
	1	36116	BULB-LIGHT-24V-20W-HALOGEN REFLECTOR
3	1	31060	BULB-LIGHT-12V-20W-HALOGEN REFLECTOR
	1	31062A-24V	ASSY-LIGHT-VERTICAL CHANNEL w/24V BULB
2	1	31062A	ASSY-LIGHT-VERTICAL CHANNEL w/12V BULB
1	1	945-3448FNW	WMT-VERTICAL CHANNEL-FRONT-48"

Exploded Views and Parts Lists

Vertical Arm Assembly - Rear

Applicable Lift:

L918IB3443RP-2



NOTICE

1) INSERT SOCKET OF LIGHT ASSY THRU TOP KEY WHILE INSTALLING LIGHT. TIGHTEN SCREWS.

2) HARNESS TO BE TUCKED INSIDE CHANNEL.

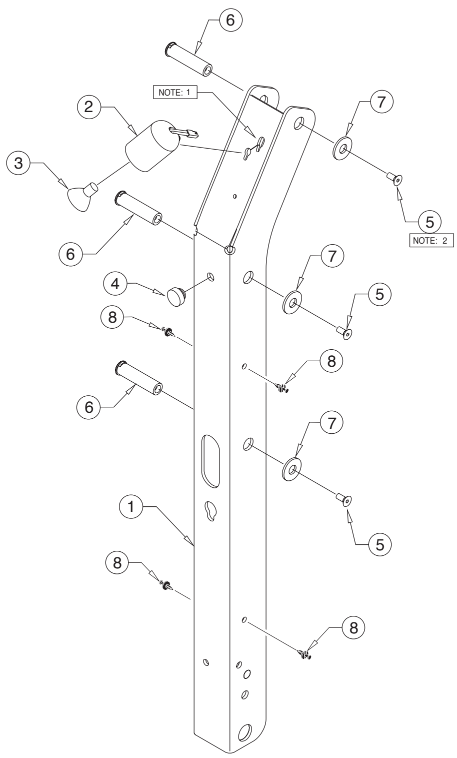
3) APPLY LOCTITE® THREADLOCKER RED 271™ TO SCREWS #25527.

ITEM	QTY.	PART NO.	DESCRIPTION
10	4	30063	RIVET-PUSH IN-8MM
9	3	936-0403	PIN-PIVOT PARALLEL ARM
8	3	25527	SCREW-5/16-18 X 3/4" FHS/AUTO-BK
7	3	25346	WASHER-1/2" FLAT/AUTO BK
6	2	37049	SCREW-#4-40 X 3/8"-THREAD FORM
5	1	33689A	ASSY-BRIDGE SWITCH W/ HARN/NL/NCL-2
4	1	32408	RUBBER BUMPER-VERT CHAN.
3	1	31060	BULB-LIGHT-20W-HALOGEN REFLECTOR
2	1	31062A	ASSY-LIGHT-VERTICAL CHANNEL w/BULB
1	1	994-0442RW	WMT-VERTICAL CHANNEL-REAR-42"

Vertical Arm Assembly - Front

Applicable Lift:

L918IB3443RP-2



NOTICE

1) INSERT SOCKET OF LIGHT ASSY THRU TOP KEY WHILE INSTALLING LIGHT. TIGHTEN SCREWS.

2) APPLY LOCTITE® THREADLOCKER RED 271™ TO SCREWS #25527.

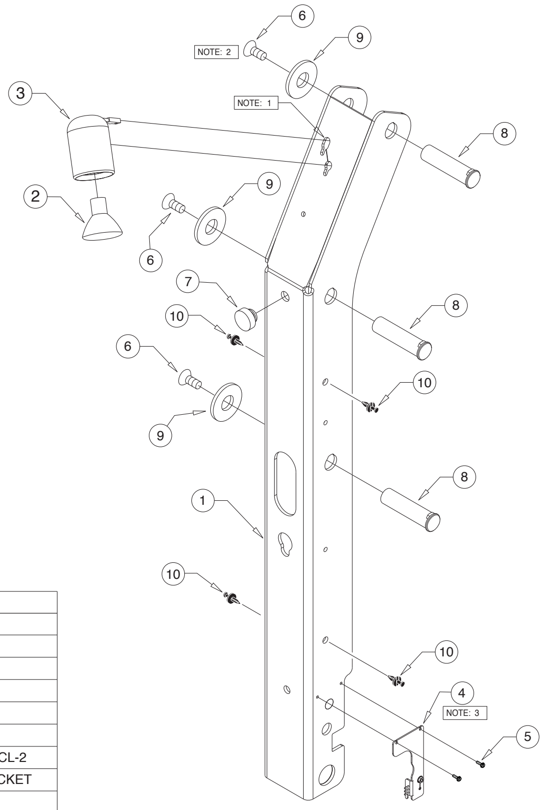
ITEM	QTY.	PART NO.	DESCRIPTION
8	4	30063	RIVET-PUSH IN-8MM
7	3	25346	WASHER-1/2" FLAT/AUTO BK
6	3	936-0403	PIN-PIVOT PARALLEL ARM
5	3	25527	SCREW-5/16-18 X 3/4" FHS/AUTO-BK
4	1	32408	RUBBER BUMPER-VERT CHAN.
3	1	31060	BULB-LIGHT-12V-20W-HALOGEN REFLECTOR
2	1	31062A	ASSY-LIGHT-VERTICAL CHANNEL w/12V BULB
1	1	994-0442FW	WMT-VERTICAL CHANNEL-FRONT-42"

Exploded Views and Parts Lists

Vertical Arm Assembly - Rear

Applicable Lift:

L990IB2740-2



NOTICE

1) INSERT SOCKET OF LIGHT ASSY THRU TOP KEY WHILE INSTALLING LIGHT. TIGHTEN SCREWS.

2) APPLY LOCTITE® THREADLOCKER RED 271™ OR EQUIVALENT TO ALL #25527 SCREWS.

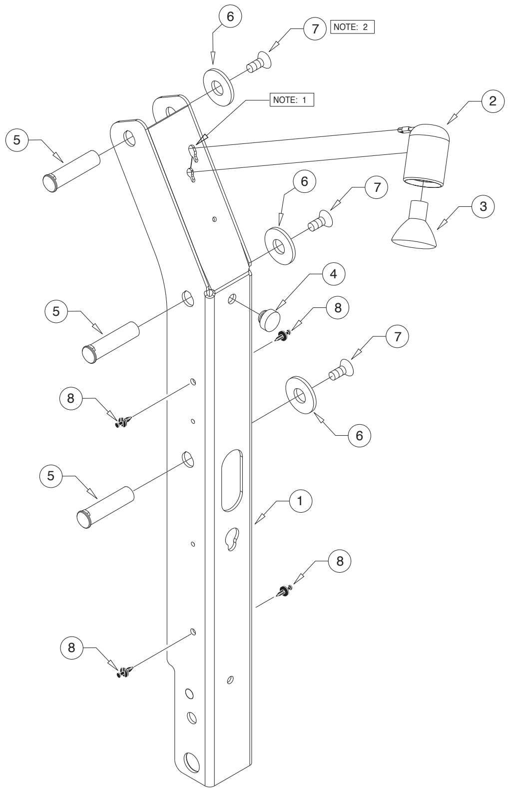
3) HARNESS TO BE TUCKED INSIDE CHANNEL.

ITEM	QTY.	PART NO.	DESCRIPTION
10	4	30063	RIVET-PUSH IN-8MM
9	3	25346	WASHER-1/2" FLAT/AUTO-BK
8	3	936-0403	PIN-PIVOT PARALLEL
7	1	32408	RUBBER BUMPER-VERT CHAN.
6	3	25527	SCREW-5/16-18 X 3/4" FHS/AUTO-BK
5	2	37049	SCREW-#4-40 X 3/8"-THREAD FORM
4	1	33689A	ASSY-BRIDGE SWITCH W/HARNESS-NL/NCL-2
3	1	31062A	ASSY-LIGHT-VERT. CHANNEL/PHILIPS SOCKET
2	1	31060	BULB-LIGHT-20W-HALOGEN REFLECTOR
1	1	991-0442RW	WMT-VERTICAL CHANNEL-REAR-26"FTG

Vertical Arm Assembly - Front

Applicable Lift:

L990IB2740-2



NOTICE

1) INSERT SOCKET OF LIGHT ASSY THRU TOP KEY WHILE INSTALLING LIGHT. TIGHTEN SCREWS.

2) APPLY LOCTITE® THREADLOCKER RED 271™ OR EQUIVALENT TO ALL #25527 SCREWS.

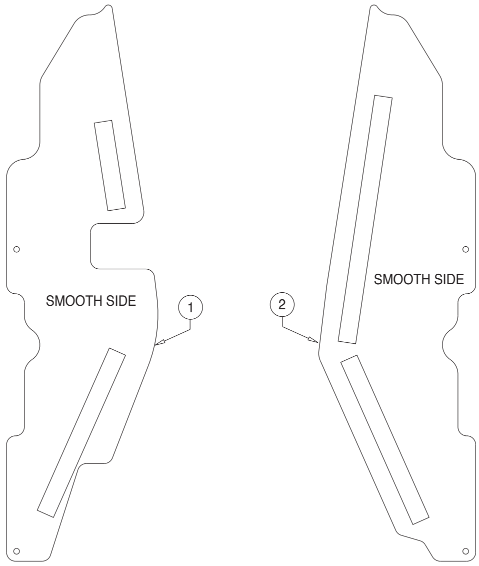
ITEM	QTY.	PART NO.	DESCRIPTION
8	4	30063	RIVET-PUSH IN-8MM
7	3	25527	SCREW-5/16-18 X 3/4" FHS/AUTO-BK
6	3	25346	WASHER-1/2" FLAT/AUTO BK
5	3	936-0403	PIN-PIVOT PARALLEL ARM
4	1	32408	RUBBER BUMPER-VERT CHAN.
3	1	31060	BULB-LIGHT-20W-HALOGEN REFLECTOR
2	1	31062A	ASSY-LIGHT-VERTICAL CHANNEL w/BULB
1	1	991-0442FW	WMT-VERTICAL CHANNEL-FRONT-26"FTG

Exploded Views and Parts Lists

Front Arm Cover Assembly

Applicable Lifts:

All L917's
All L918's
All L919's
All L927's
All L929's

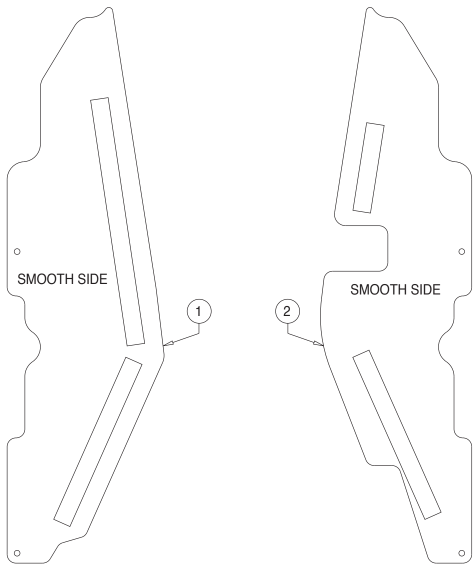


ITEM	QTY.	PART NO.	DESCRIPTION
2	1	915-0704NA	COVER-PLASTIC-PARALLEL ARM-OUTSIDE-FRONT
1	1	945-0701NA	COVER-PLASTIC-PARALLEL ARM-INSIDE-FRONT

Rear Arm Cover Assembly

Applicable Lifts:

All L917's
All L918's
All L919's
All L927's
All L929's

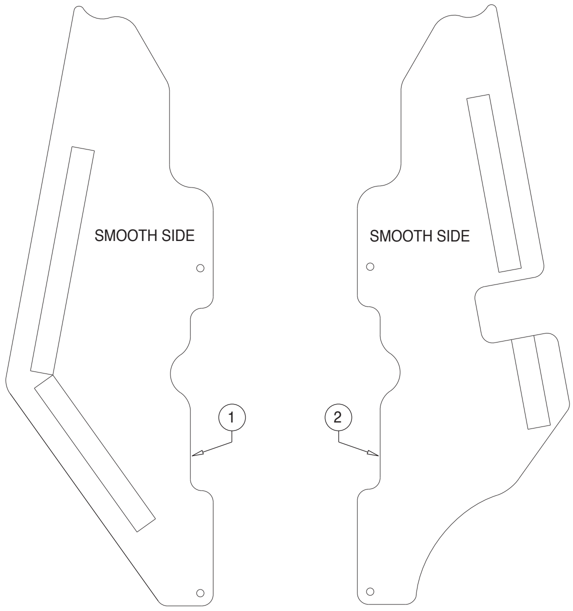


ITEM	QTY.	PART NO.	DESCRIPTION
2	1	945-0703NA	COVER-PLASTIC-PARALLEL ARM-INSIDE-REAR
1	1	915-0702NA	COVER-PLASTIC-PARALLEL ARM-OUTSIDE-REAR

Exploded Views and Parts Lists

Front Arm Cover Assembly

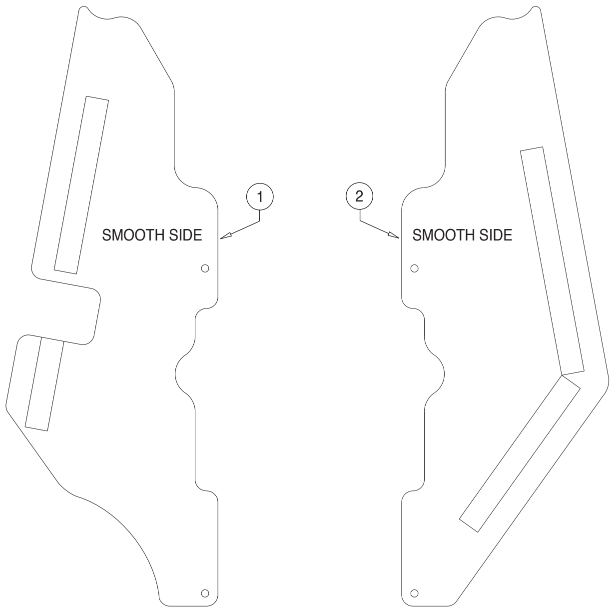
Applicable Lift:
L990IB2740-2



ITEM	QTY.	PART NO.	DESCRIPTION
2	1	991-0701A	COVER-PLASTIC-PARALLEL ARM-INSIDE-FRONT
1	1	991-0704A	COVER-PLASTIC-PARALLEL ARM-OUTSIDE-FRONT

Rear Arm Cover Assembly

Applicable Lift:
L990IB2740-2



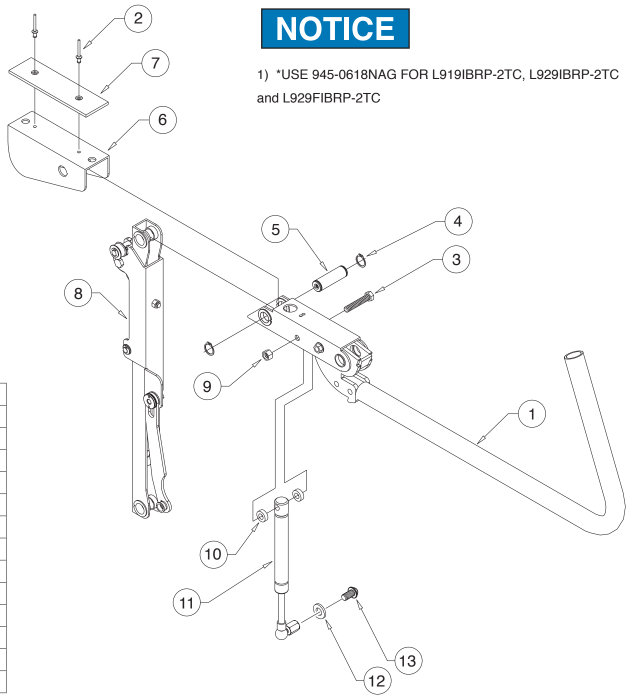
ITEM	QTY.	PART NO.	DESCRIPTION
2	1	991-0702A	COVER-PLASTIC-PARALLEL ARM-OUTSIDE-RR
1	1	991-0703A	COVER-PLASTIC-PARALLEL ARM-INSIDE-RR

Exploded Views and Parts Lists

Front Handrail Assembly

Applicable Lifts:

All L917's
All L927's
All L919's
All L929's



NOTICE

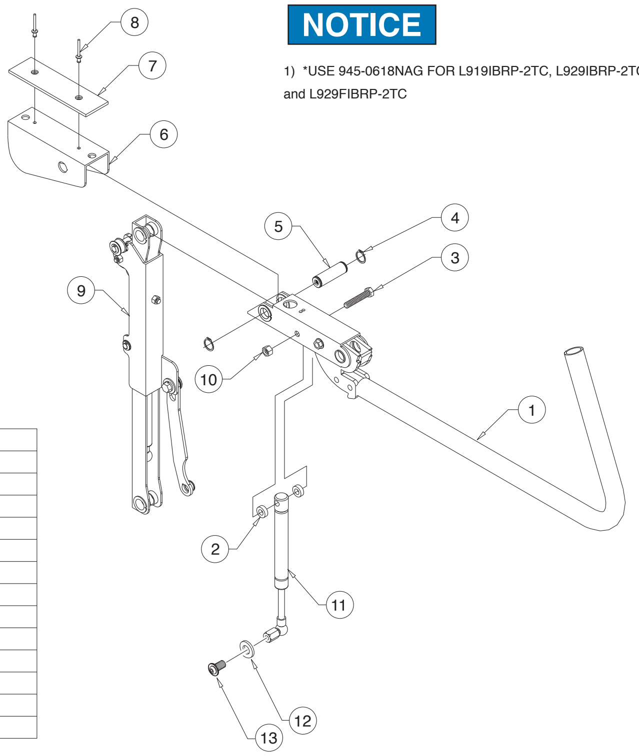
1) *USE 945-0618NAG FOR L919IBRP-2TC, L929IBRP-2TC and L929FIBRP-2TC

ITEM	QTY.	PART NO.	DESCRIPTION
13	1	25171	BOLT - 3/8-16 X 3/4" FLBHSCS-GD8
12	1	10069	WASHER - 3/8" LOCK
11	1	29186A	GAS SPRING-14.468 EXT/8.956 COM-P1=1150N
10	2	30227	WASHER-UHMW 0.75 OD X 0.39 ID X 0.25
9	1	13617	NUT-3/8-16 UNC HEX LOCK/AUTO-BK
8	1	917-0640FA	ASSY-FOLD ARM-48 FTG-FRONT
7	1	31677	SLIDE-UHMW-PLATFORM SLIDE-2X6.9"
6	1	985-0606N	SLIDE-PLATFORM ROTATE HANDRAIL
5	1	900-0413N	PIN-PIVOT LOWER ARM
4	2	18657	RING-3/4 EXT SNAP/AUTO-BK
3	1	10027	BOLT-3/8-16 X 2" HEX HD. CAP
2	2	11513	RIV-POP-SD64BS-3/16"-.13/.25/AUTO-BK
1	1	945-0618NA*	HANDRAIL ASSY-NHTSA

Rear Handrail Assembly

Applicable Lifts:

All L917's
All L927's
All L919's
All L929's



NOTICE

1) *USE 945-0618NAG FOR L919IBRP-2TC, L929IBRP-2TC and L929FIBRP-2TC

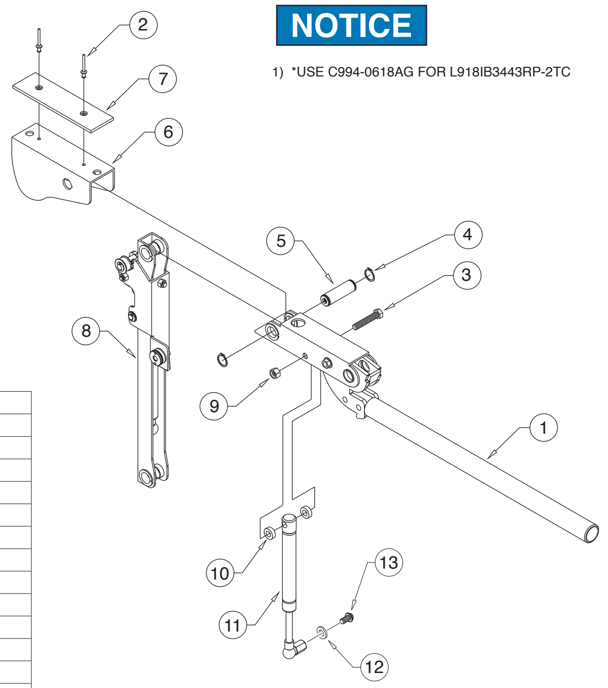
ITEM	QTY.	PART NO.	DESCRIPTION
13	1	25171	BOLT - 3/8-16 X 3/4" FLBHSCS-GD8
12	1	10069	WASHER - 3/8" LOCK
11	1	29186A	GAS SPRING-14.468 EXT/8.956 COM-P1=1150N
10	1	13617	NUT-3/8-16 UNC HEX LOCK/AUTO-BK
9	1	917-0640RA	ASSY-FOLD ARM-48 FTG-REAR
8	2	11513	RIV-POP-SD64BS-3/16"-.13/.25/AUTO-BK
7	1	31677	SLIDE-UHMW-PLATFORM SLIDE-2X6.9"
6	1	985-0606N	SLIDE-PLATFORM ROTATE HANDRAIL
5	1	900-0413N	PIN-PIVOT LOWER ARM
4	2	18657	RING-3/4 EXT SNAP/AUTO-BK
3	1	10027	BOLT-3/8-16 X 2" HEX HD. CAP
2	2	30227	WASHER-UHMW 0.75 OD X 0.39 ID X 0.25
1	1	945-0618NA*	HANDRAIL ASSY-NHTSA

Exploded Views and Parts Lists

Front Handrail Assembly

Applicable Lift:

L918IB3443RP-2



NOTICE

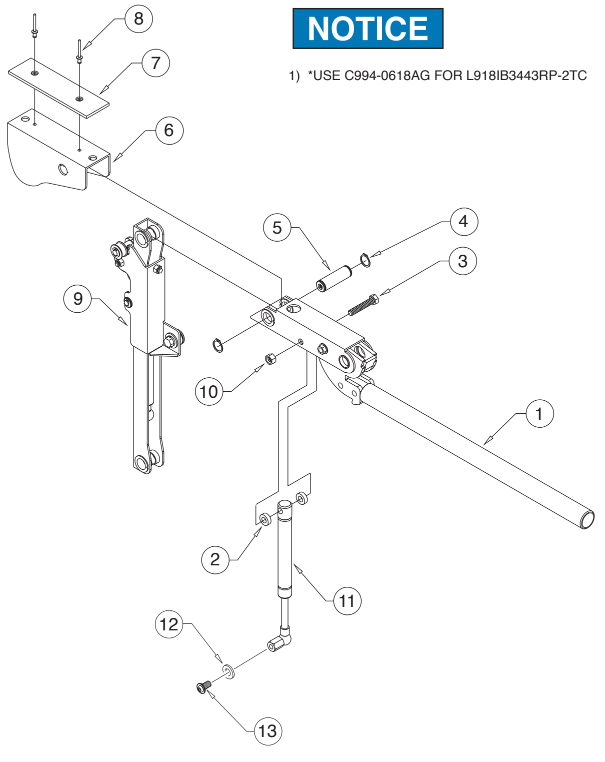
1) *USE C994-0618AG FOR L918IB3443RP-2TC

ITEM	QTY.	PART NO.	DESCRIPTION
13	1	25171	BOLT - 3/8-16 X 3/4" FLBHSCS-GD8
12	1	10069	WASHER - 3/8" LOCK
11	1	29186A	GAS SPRING-14.468 EXT/8.956 COM-P1=1150N
10	2	30227	WASHER-UHMW 0.75 OD X 0.39 ID X 0.25
9	1	13617	NUT-3/8-16 UNC HEX LOCK/AUTO-BK
8	1	994-0640FNA	ASSY-FOLD ARM-42 FTG-FRONT
7	1	31677	SLIDE-UHMW-PLATFORM SLIDE-2X6.9"
6	1	915-2606N	SLIDE-PLATFORM ROTATE HANDRAIL
5	1	900-0413N	PIN-PIVOT LOWER ARM
4	2	18657	RING-3/4 EXT SNAP/AUTO-BK
3	1	10027	BOLT-3/8-16 X 2" HEX HD. CAP
2	2	11513	RIV-POP-SD64BS-3/16"-.13/.25/AUTO-BK
1	1	C994-0618A*	HANDRAIL ASSY

Rear Handrail Assembly

Applicable Lift:

L918IB3443RP-2



NOTICE

1) *USE C994-0618AG FOR L918IB3443RP-2TC

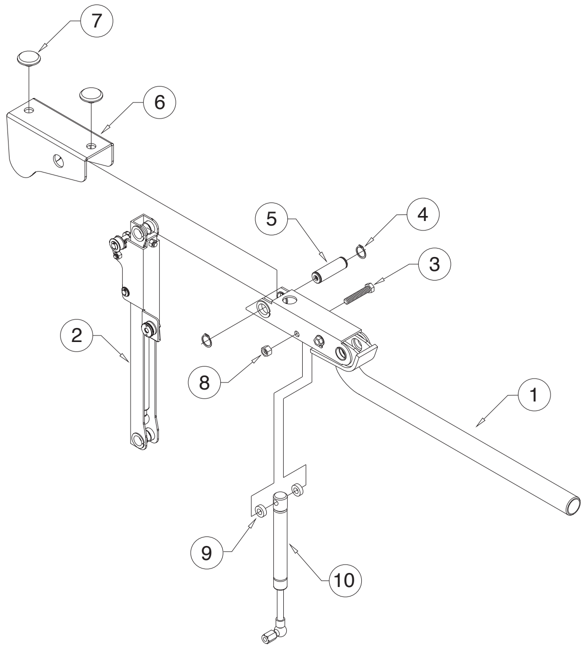
ITEM	QTY.	PART NO.	DESCRIPTION
13	1	25171	BOLT - 3/8-16 X 3/4" FLBHSCS-GD8
12	1	10069	WASHER - 3/8" LOCK
11	1	29186A	GAS SPRING-14.468 EXT/8.956 COM-P1=1150N
10	1	13617	NUT-3/8-16 UNC HEX LOCK/AUTO-BK
9	1	994-0640RA	ASSY-FOLD ARM-42 FTG-REAR
8	2	11513	RIV-POP-SD64BS-3/16"-.13/.25/AUTO-BK
7	1	31677	SLIDE-UHMW-PLATFORM SLIDE-2X6.9"
6	1	915-2606N	SLIDE-PLATFORM ROTATE HANDRAIL
5	1	900-0413N	PIN-PIVOT LOWER ARM
4	2	18657	RING-3/4 EXT SNAP/AUTO-BK
3	1	10027	BOLT-3/8-16 X 2" HEX HD. CAP
2	2	30227	WASHER-UHMW 0.75 OD X 0.39 ID X 0.25
1	1	C994-0618A*	HANDRAIL ASSY

Exploded Views and Parts Lists

Front Handrail Assembly

Applicable Lift:

L990IB2740-2

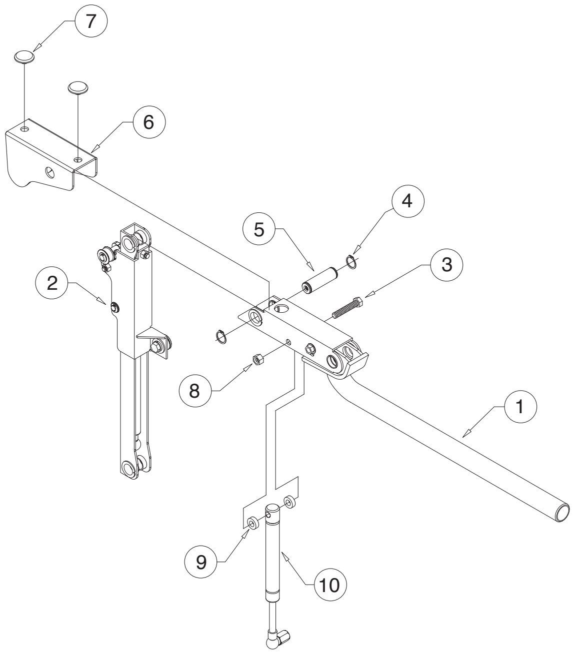


ITEM	QTY.	PART NO.	DESCRIPTION
10	1	29186A	GAS SPRING ASSY-14.468 EXT/8.956 COMP
9	2	30227	WASHER-UHMW 0.75" OD X 0.39" ID X 0.25"
8	1	13617	NUT-3/8-16 UNC HEX LOCK/AUTO-BK
7	2	205-1760	BEARING-UHMW FLAT/1226-THN-BLK
6	1	991-0606	SLIDE-PLATFORM ROTATE
5	1	900-0413N	PIN-PIVOT LOWER ARM
4	2	18657	RING-3/4" EXT SNAP/AUTO-BK
3	1	10027	BOLT-3/8-16 X 2" HEX HD. CAP
2	1	991-0640FA	ASSY-FOLD ARM-42 FTG-FRONT
1	1	991-0618A	HANDRAIL ASSY

Rear Handrail Assembly

Applicable Lift:

L990IB2740-2



ITEM	QTY.	PART NO.	DESCRIPTION
10	1	29186A	GAS SPRING ASSY-14.468 EXT/8.956 COMP
9	2	30227	WASHER-UHMW 0.75 OD X 0.39 ID X 0.25
8	1	13617	NUT-3/8-16 UNC HEX LOCK/AUTO-BLK
7	2	205-1760	BEARING-UHMW FLAT/1226-THN-BLK
6	1	991-0606	SLIDE-PLATFORM-ROTATE
5	1	900-0413N	PIN-PIVOT LOWER ARM
4	2	18657	RING-3/4 EXT SNAP/AUTO-BK
3	1	10027	BOLT-3/8-16 X 2" HEX HD. CAP
2	1	991-0640RA	ASSY-FOLD ARM-42" FTG-REAR
1	1	991-0618A	HANDRAIL ASSY

Exploded Views and Parts Lists

Platform Assembly

Applicable Lifts:

L917IB3454RP-2
L917FIB3454RP-2
L927IB3454RP-2
L927FIB3454RP-2

NOTICE

1) APPLY BOUNDARY DECAL (ITEM 28) 132cm FROM FRONT EDGE OF PLATFORM TO LEADING EDGE OF DECAL.

2) APPLY BOUNDARY DECALS (ITEM 27) 13mm ABOVE PLATFORM SURFACE EXCLUDING GRATING AND 13mm FROM OUTER EDGE OF SIDE PLATE.

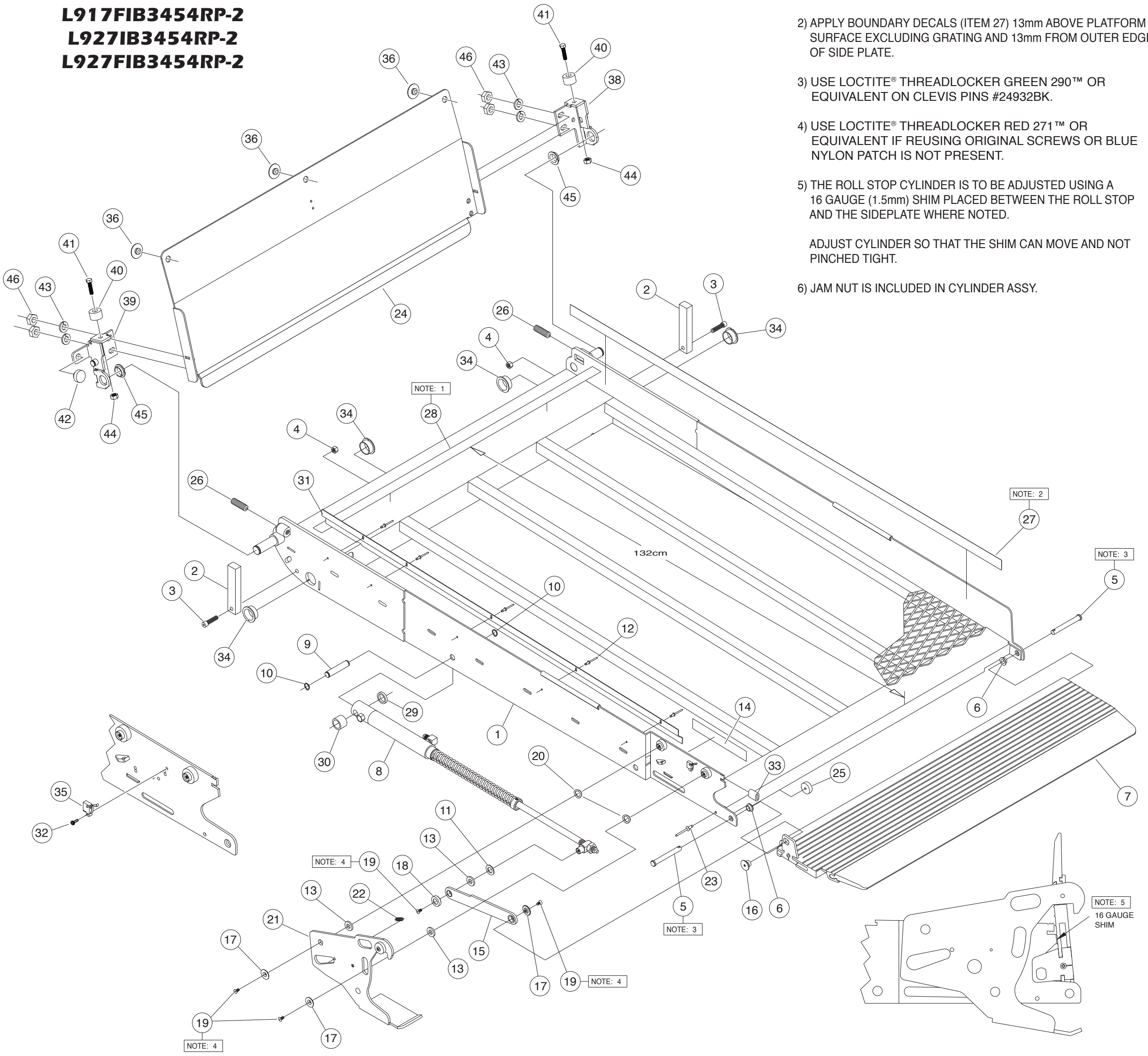
3) USE LOCTITE® THREADLOCKER GREEN 290™ OR EQUIVALENT ON CLEVIS PINS #24932BK.

4) USE LOCTITE® THREADLOCKER RED 271™ OR EQUIVALENT IF REUSING ORIGINAL SCREWS OR BLUE NYLON PATCH IS NOT PRESENT.

5) THE ROLL STOP CYLINDER IS TO BE ADJUSTED USING A 16 GAUGE (1.5mm) SHIM PLACED BETWEEN THE ROLL STOP AND THE SIDEPLATE WHERE NOTED.

ADJUST CYLINDER SO THAT THE SHIM CAN MOVE AND NOT PINCHED TIGHT.

6) JAM NUT IS INCLUDED IN CYLINDER ASSY.



ITEM	QTY.	PART NO.	DESCRIPTION
24	1	915-0147W34Y	BRIDGE PLATE-WMT-34/48" FTG (915-0147A34Y Incl. 24, 36-46)
23	1	11513	RIV-POP-SD64BS-3/16"-.13/.25/AUTO-BK
22	1	10774	SPRING-1/4 X 1" EXT. W/HOOKS/AUTO-BK
21	1	947-3343NA	ASSY-LATCH-ROLL STOP
20	2	36384	SPRING-DISC STAINLESS O.D. 0.795" X .ID. 0.531"
19	4	17192P	SCREW-#10-32X1/2 FHDHXS/AUTO-BK w/PATCH
18	1	915-0341N	ADAPT-CYL/ROLL STOP LEVER
17	3	990-0341	ADAPT-CYL/ROLL STOP LEVER-OUT
16	1	24550	PIVOT-ROLL STOP LEVER-L915
15	1	947-0345NA	LEVER-ROLL STOP LATCH-ASSY
14	1	30236R007	DECAL-BOUNDARY YELLOW LEXAN 1" X 7"
13	3	15328	WASHER-.516ID X 1OD X .0269/AUTO-BK
12	5	13906	RIV-POP-SD45BS-1/8"-.25/.31
11	1	29371	WASHER-THRUST-.875 OD/.50 ID/.0585T
10	2	20946	RING-1/2 EXT SNAP/AUTO-BK
9	1	915-0414	PIN-PLATFORM CYLINDER
8	1	33094A	CYLINDER-ASSY-ROLLSTOP-MILLENNIUM
7	1	915R4312A-34Y	ROLL-STOP ALUM./RUBBER END/ASSY.-34"/YEL
6	2	24028	BRG-PLASTIC-FLANGE-3/8IDX1/4"
5	2	24932BK	PIN-CLEVIS 3/8 X 3" EFF LEN.-W/O HOLE/BK
4	2	28324BK	NUT-5/16-18 TOP LOCK/AUTO-BK
3	2	81003-000	BOLT-5/16-18 X 1 1/4"-SHCS - BK ZINC
2	2	900-0311	STOP-PLATFORM
1	1	947-23454NW	WMT-PLATFORM-NL917-2 /34" X 54"/IB

ITEM	QTY.	PART NO.	DESCRIPTION
46	4	10059BK	NUT-3/8 X 16 HEX/AUTO-BK
45	2	24012	BEARING-FLANGE-3/4" X 1/4"-12FDU04
44	2	14614Z	NUT-1/4-20 NYLOCK - ZINC
43	4	10069BK	WASHER-3/8" LOCK/AUTO-BK
42	1	32408	RUBBER BUMPER-VERT CHAN.
41	2	10001	BOLT-1/4-20 X 1" HEX
40	2	33603	BUMPER-1" X 5/8"LG NAT UHMW/BRIDGEPLATE
39	1	945-0431RNW	WMT-BKT-BRIDGE PLATE/RR
38	1	945-0431FNW	WMT-BKT-BRIDGE PLATE/FR
37	4	25171	BOLT-3/8-16 X 3/4" FLBHSCS-GD8
36	3	916-5406	BEARING-UHMW FLAT-THIN-BLK
35	1	35609A	HARN-ROLLSTOP OCC, NL-2
34	4	28031	BEARING-FLANGE-1 X 1/2-16FDU08
33	1	28630R000.81	TUBING-POLYURETHANE 1/4ID X 1/2OD X .81"
32	1	37049	SCREW-#4-40 X 3/8" THREAD FORM
31	1	915-0368N54Y	GUARD-WIRING-PLT-OUTER BARRIER SENSOR
30	1	947-0415	SPACER-FLAP CYL/0.540
29	1	947-0416	SPACER-FLAP CYL/0.155
28	1	30236R032.5	DECAL-BOUNDARY YELLOW LEXAN 1" X 32 1/2"
27	1	30236R048.5	DECAL-BOUNDARY YELLOW LEXAN 1" X 48 1/2"
26	2	18663	SCREW-1/2-20 X 1.5 SET-LOCK/AUTO-BK
25	1	10950	BUMPER-RUBBER RECES.31/32 OD

Exploded Views and Parts Lists

Platform Assembly

Applicable Lifts:

L919IBRP-2
L919FIBRP-2
L929IBRP-2
L929FIBRP-2

NOTICE

1) APPLY BOUNDARY DECAL (ITEM 28) 122cm FROM FRONT EDGE OF PLATFORM TO LEADING EDGE OF DECAL.

2) APPLY BOUNDARY DECALS (ITEM 27) 13mm ABOVE PLATFORM SURFACE EXCLUDING GRATING AND 13mm FROM OUTER EDGE OF SIDE PLATE.

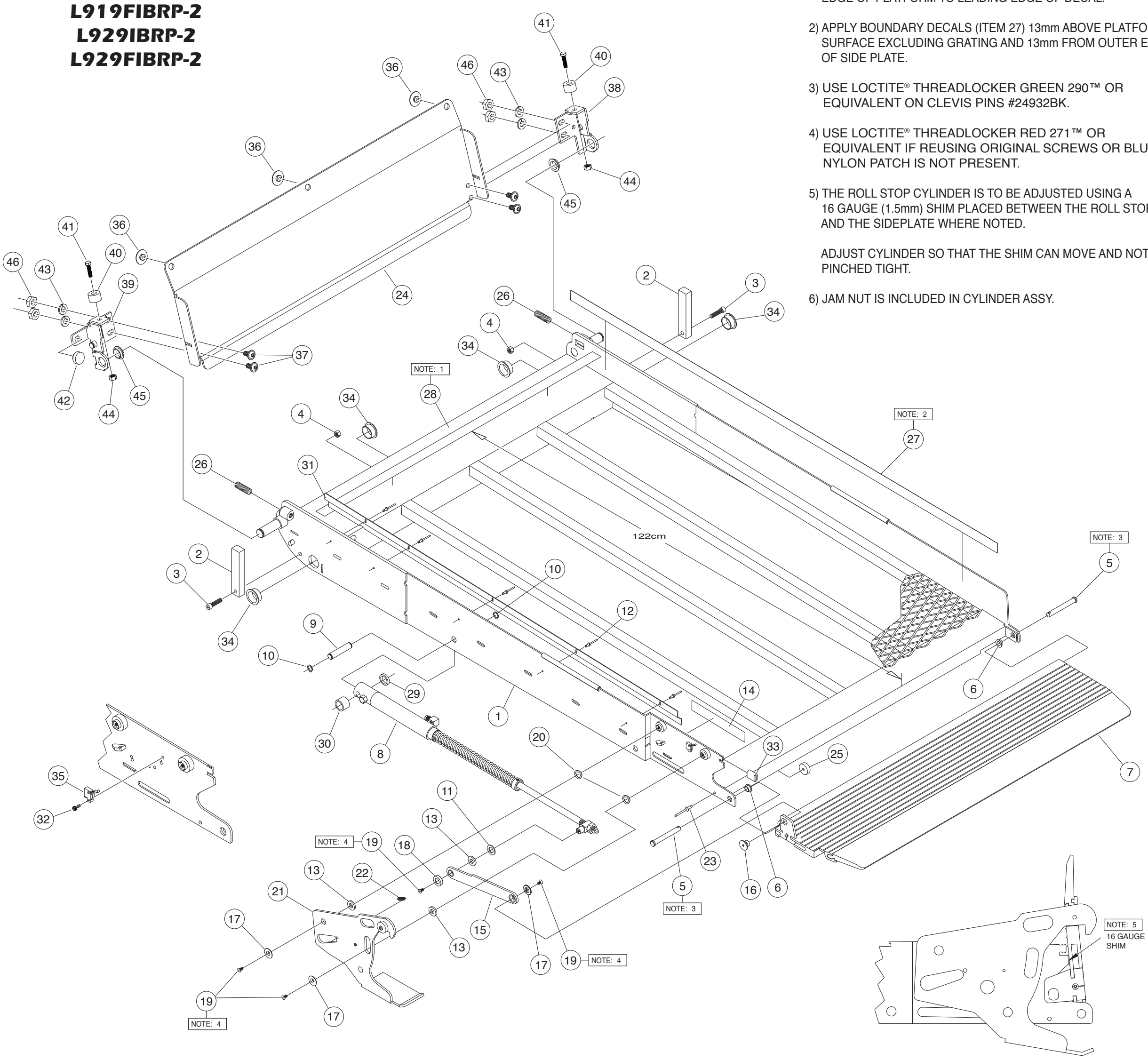
3) USE LOCTITE® THREADLOCKER GREEN 290™ OR EQUIVALENT ON CLEVIS PINS #24932BK.

4) USE LOCTITE® THREADLOCKER RED 271™ OR EQUIVALENT IF REUSING ORIGINAL SCREWS OR BLUE NYLON PATCH IS NOT PRESENT.

5) THE ROLL STOP CYLINDER IS TO BE ADJUSTED USING A 16 GAUGE (1.5mm) SHIM PLACED BETWEEN THE ROLL STOP AND THE SIDEPLATE WHERE NOTED.

ADJUST CYLINDER SO THAT THE SHIM CAN MOVE AND NOT PINCHED TIGHT.

6) JAM NUT IS INCLUDED IN CYLINDER ASSY.



ITEM	QTY.	PART NO.	DESCRIPTION
24	1	915-0147W34Y	BRIDGE PLATE-PLT-34/48" FTG (945-0147A34Y Incl. 24, 36-46)
23	1	11513	RIV-POP-SD64BS-3/16"-.13/.25"/AUTO-BK
22	1	10774	SPRING-1/4 X 1" EXT. W/HOOKS/AUTO-BK
21	1	947-3343NA	ASSY-LATCH-ROLL STOP
20	2	36384	SPRING-DISC STAINLESS O.D. 0.795" X .ID. 0.531"
19	4	17192P	SCREW-#10-32X1/2" FLHDHXS/AUTO-BK w/PATCH
18	1	915-0341N	ADAPT-CYL/ROLL STOP LEVER
17	3	990-0341	ADAPT-CYL/ROLL STOP LEVER-OUT
16	1	24550	PIVOT-ROLL STOP LEVER-L915
15	1	947-0345NA	LEVER-ROLL STOP LATCH-ASSY
14	1	30236R007	DECAL-BOUNDARY YELLOW LEXAN 1" X 7"
13	3	15328	WASHER-.516" ID X 1" OD X .0269" /AUTO-BK
12	5	13906	RIV-POP-SD45BS-1/8"-.25/.31"
11	1	29371	WASHER-THRUST-.875" OD/.50" ID/.0585" T
10	2	20946	RING-1/2" EXT SNAP/AUTO-BK
9	1	915-0414	PIN-PLATFORM CYLINDER
8	1	33094A	CYLINDER-ASSY-ROLLSTOP-MILLENNIUM
7	1	915R4312A-34Y	ROLL-STOP ALUM./RUBBER END/ASSY.-34"/YEL
6	2	24028	BRG-PLASTIC-FLANGE-3/8" IDX1/4"
5	2	24932BK	PIN-CLEVIS 3/8" X 3" EFF LEN.-W/O HOLE/BK
4	2	28324BK	NUT-5/16-18 TOP LOCK/AUTO-BK
3	2	81003-000	BOLT-5/16-18 X 1 1/4"-SHCS - BK ZINC
2	2	900-0311	STOP-PLATFORM
1	1	947-23450NW	WMT-PLATFORM-NL917-2 /34" X 50"/IB

ITEM	QTY.	PART NO.	DESCRITION
46	4	10059BK	NUT-3/8 X 16 HEX/AUTO-BK
45	2	24012	BEARING-FLANGE-3/4" X 1/4"-12FDU04
44	2	14614Z	NUT-1/4-20 NYLOCK - ZINC
43	4	10069BK	WASHER-3/8" LOCK/AUTO-BK
42	1	32408	RUBBER BUMPER-VERT CHAN.
41	2	10001	BOLT-1/4-20 X 1" HEX
40	2	33603	BUMPER-1" X 5/8"LG NAT UHMW/BRIDGEPLATE
39	1	945-0431RNW	WMT-BKT-BRIDGE PLATE/RR
38	1	945-0431FNW	WMT-BKT-BRIDGE PLATE/FR
37	4	25171	BOLT-3/8-16 X 3/4" FLBHSCS-GD8
36	3	916-5406	BEARING-UHMW FLAT-THIN-BLK
35	1	35609A	HARN-ROLLSTOP OCC, NL-2
34	4	28031	BEARING-FLANGE-1" X 1/2"-16FDU08
33	1	28630R000.81	TUBING-POLYURETHANE 1/4" ID X 1/2" OD X .81"
32	1	37049	SCREW-#4-40 X 3/8" THREAD FORM
31	1	915-0368N50Y	GUARD-WIRING-PLT-OUTER BARRIER SENSOR
30	1	947-0415	SPACER-FLAP CYL/0.540"
29	1	947-0416	SPACER-FLAP CYL/0.155"
28	1	30236R032.5	DECAL-BOUNDARY YELLOW LEXAN 1" X 32 1/2"
27	1	30236R048.5	DECAL-BOUNDARY YELLOW LEXAN 1" X 48 1/2"
26	2	18663	SCREW-1/2-20 X 1.5" SET-LOCK/AUTO-BK
25	1	10950	BUMPER-RUBBER RECES.31/32" OD

Exploded Views and Parts Lists

Platform Assembly

Applicable Lift:

L918IB3443RP-2

NOTICE

1) APPLY BOUNDARY DECAL (ITEM 28) 104.5cm FROM FRONT EDGE OF PLATFORM TO LEADING EDGE OF DECAL.

2) APPLY BOUNDARY DECALS (ITEM 27) 13mm ABOVE PLATFORM SURFACE EXCLUDING GRATING AND 13mm FROM OUTER EDGE OF SIDE PLATE.

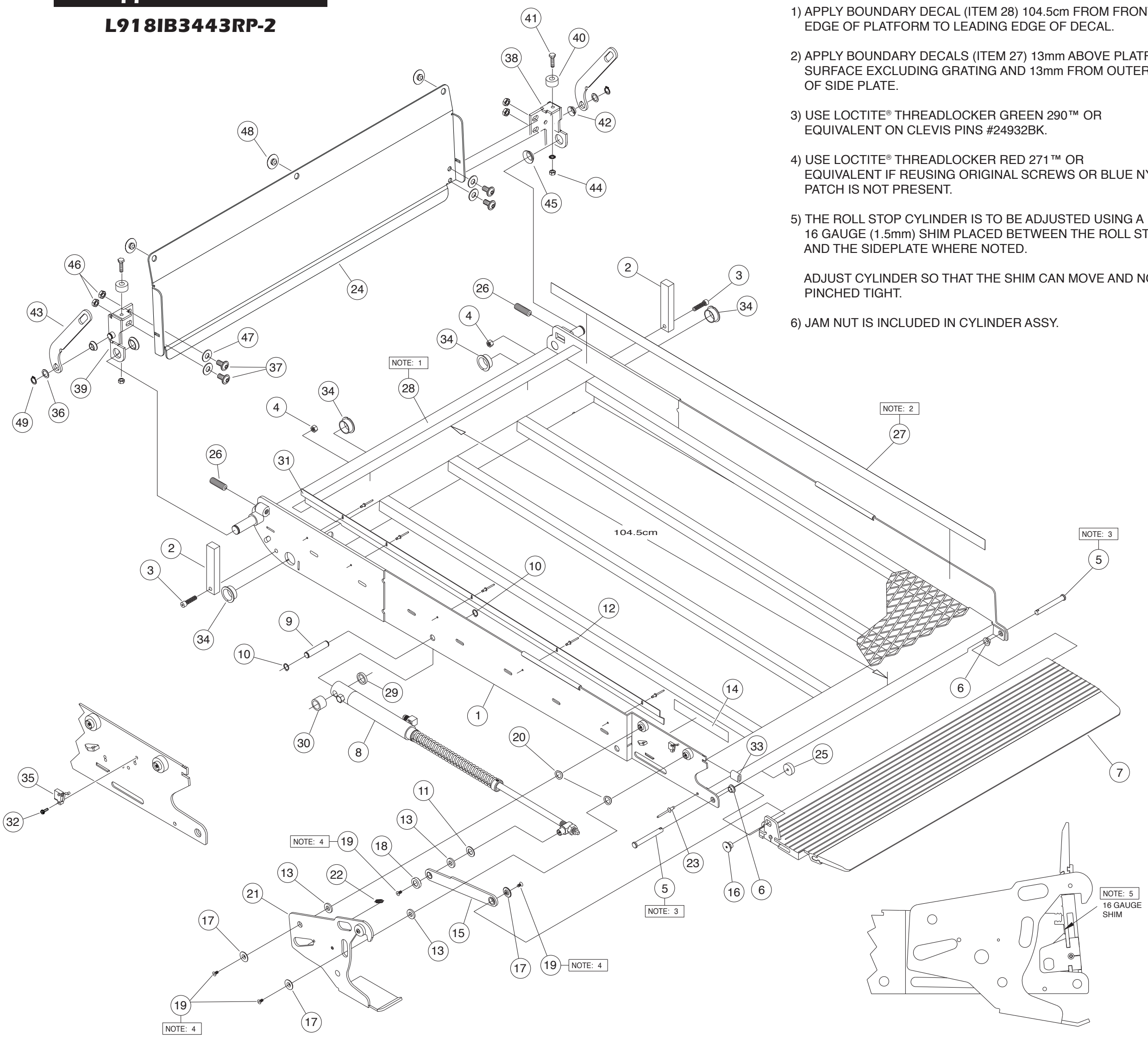
3) USE LOCTITE® THREADLOCKER GREEN 290™ OR EQUIVALENT ON CLEVIS PINS #24932BK.

4) USE LOCTITE® THREADLOCKER RED 271™ OR EQUIVALENT IF REUSING ORIGINAL SCREWS OR BLUE NYLON PATCH IS NOT PRESENT.

5) THE ROLL STOP CYLINDER IS TO BE ADJUSTED USING A 16 GAUGE (1.5mm) SHIM PLACED BETWEEN THE ROLL STOP AND THE SIDEPLATE WHERE NOTED.

ADJUST CYLINDER SO THAT THE SHIM CAN MOVE AND NOT PINCHED TIGHT.

6) JAM NUT IS INCLUDED IN CYLINDER ASSY.



ITEM	QTY.	PART NO.	DESCRIPTION
25	1	10950	BUMPER-RUBBER RECES.31/32" OD
24	1	957-0147-34Y	BRIDGE PLATE-PLT-34"/42" FTG AUTO (957-0147A34 INCL. 24, 36-47)
23	1	11513	RIV-POP-SD64BS-3/16"-.13/.25"/AUTO-BK
22	1	10774	SPRING-1/4 X 1" EXT. W/HOOKS/AUTO-BK
21	1	947-3343NA	ASSY-LATCH-ROLL STOP
20	2	36384	SPRING-DISC STAINLESS O.D. 0.795" X .ID. 0.531"
19	4	17192P	SCREW-#10-32X1/2" FLHDHXS/AUTO-BK w/PATCH
18	1	915-0341N	ADAPT-CYL/ROLL STOP LEVER
17	3	990-0341	ADAPT-CYL/ROLL STOP LEVER-OUT
16	1	24550	PIVOT-ROLL STOP LEVER-L915
15	1	947-0345NA	LEVER-ROLL STOP LATCH-ASSY
14	1	30236R007	DECAL-BOUNDARY YELLOW LEXAN 1" X 7"
13	3	15328	WASHER-.516" ID X 1" OD X .0269" /AUTO-BK
12	5	13906	RIV-POP-SD45BS-1/8"-.25/.31"
11	1	29371	WASHER-THRUST-.875" OD/.50" ID/.0585" T
10	2	20946	RING-1/2" EXT SNAP/AUTO-BK
9	1	957-0414	PIN-PLATFORM CYLINDER
8	1	33094A	CYLINDER-ASSY-ROLLSTOP-MILLENNIUM
7	1	915R4312A-34Y	ROLL-STOP ALUM./RUBBER END/ASSY.-34"
6	2	24028	BRG-PLASTIC-FLANGE-3/8" IDX1/4"
5	2	24932BK	PIN-CLEVIS 3/8" X 3" EFF LEN.-W/O HOLE/BK
4	2	28324BK	NUT-5/16-18 TOP LOCK/AUTO-BK
3	2	81003-000	BOLT-5/16-18 X 1 1/4"-SHCS - BK ZINC
2	2	900-0311	STOP-PLATFORM
1	1	947-23443NW	PLATFORM-NL917-2 /34" X 43"/IB

ITEM	QTY.	PART NO.	DESCRIPTION
50	2	955-0404N	LEVER-INBOARD BARRIER
49	2	13273	RING-1/2 EXT SELF LOCK SNAP/AUTO-BK
48	3	916-5406	BEARING-UHMW FLAT-THIN-BLK
47	4	10064	WASHER-3/8" FLAT/AUTO BK
46	4	20926	NUT-3/8 X 16 UNC HEX LOCK JAMB
45	2	24012	BEARING-FLANGE-3/4" X 1/4"-12FDU04
44	2	14614Z	NUT-1/4-20 NYLOCK - ZINC
43	2	83588	WASHER-1/4 EXT STAR TOOTH LOCK ZP
42	2	24442	BEARING-FLANGE-1/2" X 1/4"-08FDU04
41	2	10001	BOLT-1/4-20 X 1" HEX
40	2	33654	BUMPER-1" X 1/2" LG BLK UHMW BRIDGEPLATE
39	1	955-0431RNW	WMT-BKT-BRIDGE PLATE/RR
38	1	955-0431FNW	WMT-BKT-BRIDGE PLATE/FR
37	4	25171	BOLT-3/8-16 X 3/4" FLBHSCS-GD8
36	2	25336	WASHER-.516ID X .75OD X .0250/AUTO-BK
35	1	35609A	HARN-ROLLSTOP OCC, NL-2
34	4	28031	BEARING-FLANGE-1" X 1/2"-16FDU08
33	1	28630R000.81	TUBING-POLYURETHANE 1/4" ID X 1/2" OD X .81"
32	1	37049	SCREW-#4-40 X 3/8" THREAD FORM
31	1	915-0368N43Y	GUARD-WIRING-PLT-OUTER BARRIER SENSOR
30	1	947-0415	SPACER-FLAP CYL/0.540"
29	1	947-0416	SPACER-FLAP CYL/0.155"
28	1	30236R032.5	DECAL-BOUNDARY YELLOW LEXAN 1" X 32 1/2"
27	1	30236R041.5	DECAL-BOUNDARY YELLOW LEXAN 1" X 41 1/2"
26	2	18663	SCREW-1/2-20 X 1.5" SET-LOCK/AUTO-BK

Exploded Views and Parts Lists

Platform Assembly

Applicable Lifts:

L917IB3751RP-2
L917FIB3751RP-2
L927IB3751RP-2
L927FIB3751RP-2

NOTICE

1) APPLY BOUNDARY DECAL (ITEM 28) 122cm FROM FRONT EDGE OF PLATFORM TO LEADING EDGE OF DECAL.

2) APPLY BOUNDARY DECALS (ITEM 27) 13mm ABOVE PLATFORM SURFACE EXCLUDING GRATING AND 13mm FROM OUTER EDGE OF SIDE PLATE.

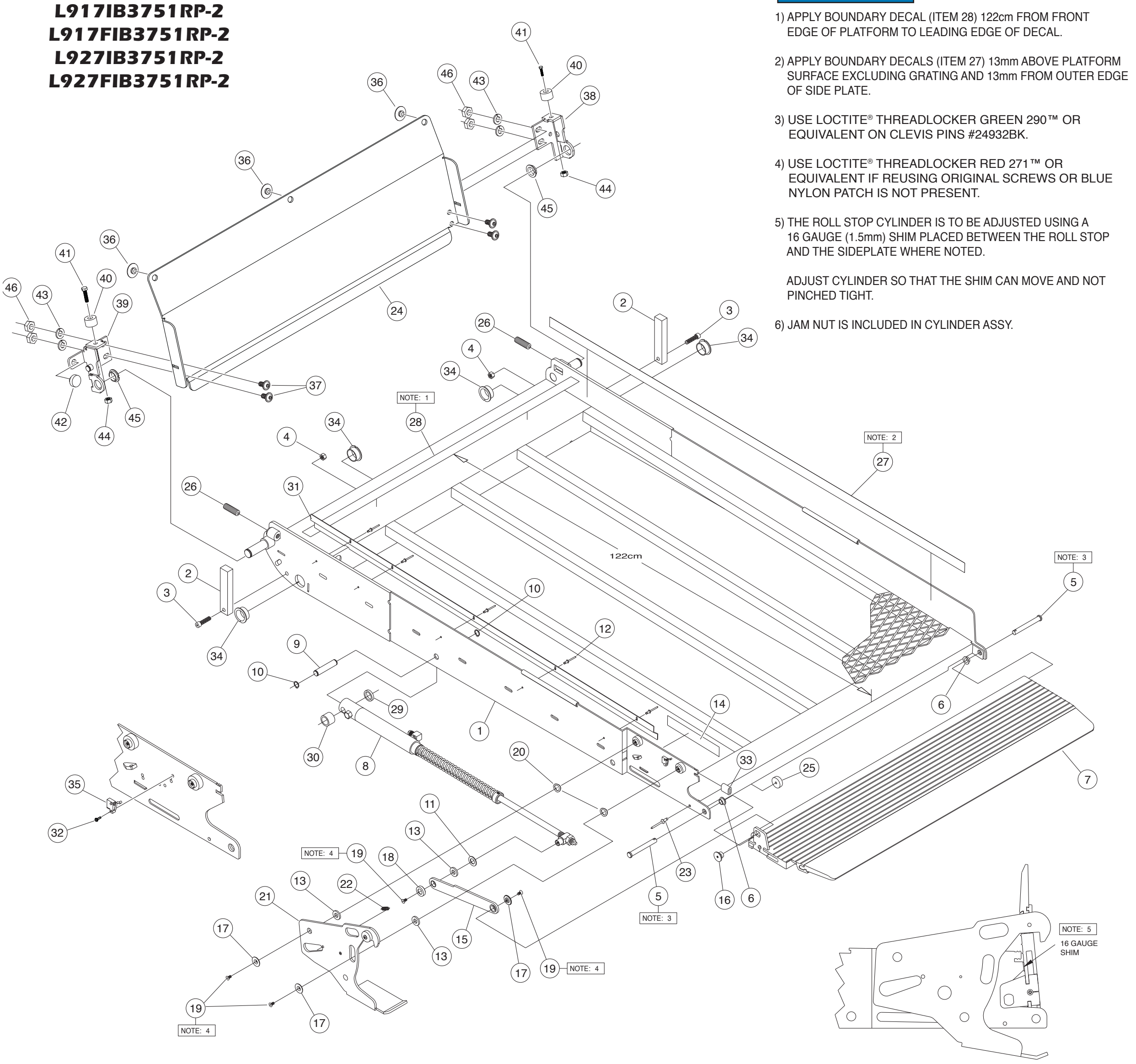
3) USE LOCTITE® THREADLOCKER GREEN 290™ OR EQUIVALENT ON CLEVIS PINS #24932BK.

4) USE LOCTITE® THREADLOCKER RED 271™ OR EQUIVALENT IF REUSING ORIGINAL SCREWS OR BLUE NYLON PATCH IS NOT PRESENT.

5) THE ROLL STOP CYLINDER IS TO BE ADJUSTED USING A 16 GAUGE (1.5mm) SHIM PLACED BETWEEN THE ROLL STOP AND THE SIDEPLATE WHERE NOTED.

ADJUST CYLINDER SO THAT THE SHIM CAN MOVE AND NOT PINCHED TIGHT.

6) JAM NUT IS INCLUDED IN CYLINDER ASSY.



ITEM	QTY.	PART NO.	DESCRIPTION
24	1	915-0147W37Y	BRIDGE PLATE-PLT-37/48" FTG (915-0147A37Y Incl. 24, 36-46)
23	1	11513	RIV-POP-SD64BS-3/16"-.13/.25"/AUTO-BK
22	1	10774	SPRING-1/4 X 1" EXT. W/HOOKS/AUTO-BK
21	1	947-3343NA	ASSY-LATCH-ROLL STOP
20	2	36384	SPRING-DISC STAINLESS O.D. 0.795" X .ID. 0.531"
19	4	17192P	SCREW-#10-32X1/2" FHDHXS/AUTO-BK w/PATCH
18	1	915-0341N	ADAPT-CYL/ROLL STOP LEVER
17	3	990-0341	ADAPT-CYL/ROLL STOP LEVER-OUT
16	1	24550	PIVOT-ROLL STOP LEVER-L915
15	1	947-0345NA	LEVER-ROLL STOP LATCH-ASSY
14	1	30236R007	DECAL-BOUNDARY YELLOW LEXAN 1" X 7"
13	3	15328	WASHER-.516" ID X 1" OD X .0269" /AUTO-BK
12	5	13906	RIV-POP-SD45BS-1/8"-.25/.31"
11	1	29371	WASHER-THRUST-.875" OD/.50" ID/.0585" T
10	2	20946	RING-1/2" EXT SNAP/AUTO-BK
9	1	915-0414	PIN-PLATFORM CYLINDER
8	1	33094A	CYLINDER-ASSY-ROLLSTOP-MILLENNIUM
7	1	915R4312A-37Y	ROLL-STOP ALUM./RUBBER END/ASSY.-37"/YEL
6	2	24028	BRG-PLASTIC-FLANGE-3/8" IDX1/4"
5	2	24932BK	PIN-CLEVIS 3/8" X 3" EFF LEN.-W/O HOLE/BK
4	2	28324BK	NUT-5/16-18 TOP LOCK/AUTO-BK
3	2	81003-000	BOLT-5/16-18 X 1 1/4"-SHCS - BK ZINC
2	2	900-0311	STOP-PLATFORM
1	1	947-23750NW	WMT-PLATFORM-NL917-2 /37" X 51"/IB

ITEM	QTY.	PART NO.	DESCRIPTION
46	4	10059BK	NUT-3/8 X 16 HEX/AUTO-BK
45	2	24012	BEARING-FLANGE-3/4" X 1/4"-12FDU04
44	2	14614Z	NUT-1/4-20 NYLOCK - ZINC
43	4	10069BK	WASHER-3/8" LOCK/AUTO-BK
42	1	32408	RUBBER BUMPER-VERT CHAN.
41	2	10001	BOLT-1/4-20 X 1" HEX
40	2	33603	BUMPER-1" X 5/8"LG NAT UHMW/BRIDGEPLATE
39	1	945-0431RNW	WMT-BKT-BRIDGE PLATE/RR
38	1	945-0431FNW	WMT-BKT-BRIDGE PLATE/FR
37	4	25171	BOLT-3/8-16 X 3/4" FLBHSCS-GD8
36	3	916-5406	BEARING-UHMW FLAT-THIN-BLK
35	1	35609A	HARN-ROLLSTOP OCC, NL-2
34	4	28031	BEARING-FLANGE-1" X 1/2"-16FDU08
33	1	28630R000.81	TUBING-POLYURETHANE 1/4" ID X 1/2" OD X .81"
32	1	37049	SCREW-#4-40 X 3/8" THREAD FORM
31	1	915-0368N50Y	GUARD-WIRING-PLT-OUTER BARRIER SENSOR
30	1	947-0415	SPACER-FLAP CYL/0.540"
29	1	947-0416	SPACER-FLAP CYL/0.155"
28	1	30236R032.5	DECAL-BOUNDARY YELLOW LEXAN 1" X 32 1/2"
27	1	30236R048.5	DECAL-BOUNDARY YELLOW LEXAN 1" X 48 1/2"
26	2	18663	SCREW-1/2-20 X 1.5" SET-LOCK/AUTO-BK
25	1	10950	BUMPER-RUBBER RECES.31/32" OD

Exploded Views and Parts Lists

Platform Assembly

Applicable Lift:

L990IB2740-2

NOTICE

1) APPLY BOUNDARY DECAL (ITEM 27) 94.3cm FROM FRONT EDGE OF PLATFORM TO LEADING EDGE OF DECAL.

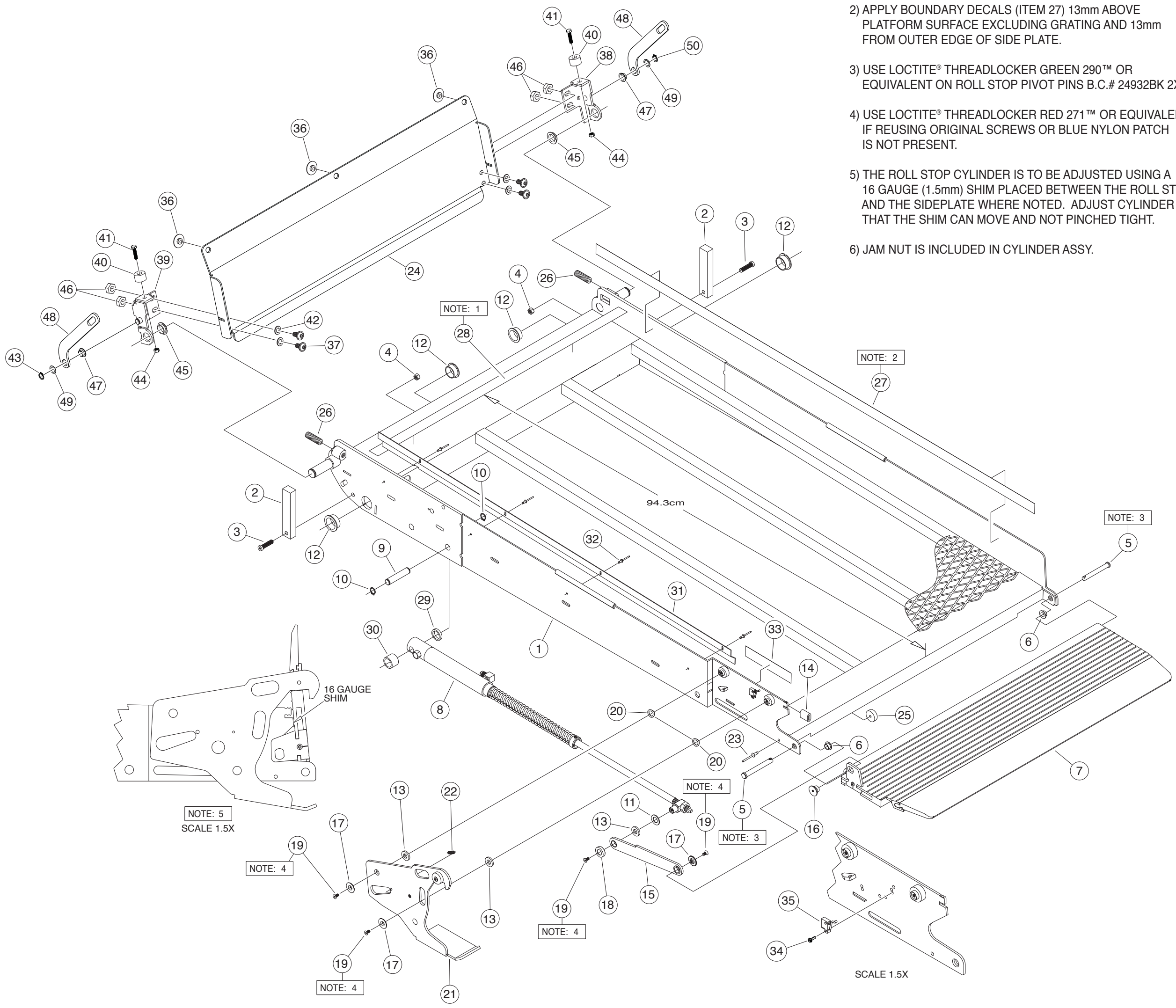
2) APPLY BOUNDARY DECALS (ITEM 27) 13mm ABOVE PLATFORM SURFACE EXCLUDING GRATING AND 13mm FROM OUTER EDGE OF SIDE PLATE.

3) USE LOCTITE® THREADLOCKER GREEN 290™ OR EQUIVALENT ON ROLL STOP PIVOT PINS B.C.# 24932BK 2X.

4) USE LOCTITE® THREADLOCKER RED 271™ OR EQUIVALENT IF REUSING ORIGINAL SCREWS OR BLUE NYLON PATCH IS NOT PRESENT.

5) THE ROLL STOP CYLINDER IS TO BE ADJUSTED USING A 16 GAUGE (1.5mm) SHIM PLACED BETWEEN THE ROLL STOP AND THE SIDEPLATE WHERE NOTED. ADJUST CYLINDER SO THAT THE SHIM CAN MOVE AND NOT PINCHED TIGHT.

6) JAM NUT IS INCLUDED IN CYLINDER ASSY.



ITEM	QTY.	PART NO.	DESCRIPTION
25	1	10950	BUMPER-RUBBER RECES.31/32 OD
24	1	991-0147-27Y	BRIDGE PLATE-PLT-27/26" FTG (991-0147A27Y INC. 24, 36-49)
23	1	11513	RIV-POP-SD64BS-3/16"-.13/.25/AUTO-BK
22	1	10774	SPRING-1/4 X 1" EXT. W/HOOKS/AUTO-BK
21	1	947-3343NA	ASSY-LATCH-ROLL STOP
20	2	36384	SPRING-DISC-STAINLESS-OD. 795/ID.531
19	4	17192P	SCREW-#10-32X1/2 FHDHXS-AUTO BLK-W/PATCH
18	1	915-0341N	ADAPT-CYL/ROLL STOP LEVER
17	3	990-0341	ADAPT-CYL/ROLL STOP LEVER-OUT
16	1	24550	PIVOT-ROLL STOP LEVER-L915
15	1	947-0345NA	LEVER-ROLL STOP LATCH-ASSY
14	1	28630R000.81	TUBING-POLYURETHANE 1/4ID X 1/2OD X .81"
13	3	15328	WASHER-.516ID X 1OD X .0269/AUTO-BK
12	4	28031	BEARING-FLANGE-1 X 1/2-16FDU08
11	1	29371	WASHER-THRUST-.875 OD/.50 ID/.0585T
10	2	20946	RING-1/2 EXT SNAP/AUTO-BK
9	1	957-0414	PIN-PLATFORM CYLINDER
8	1	33094A	CYLINDER-ASSY-ROLLSTOP-MILLENNIUM
7	1	991-0312A-27Y	ROLL-STOP ALUM./RUBBER END/ASSY.-33"/YEL
6	2	24028	BRG-PLASTIC-FLANGE-3/8IDX1/4"
5	2	24932BK	PIN-CLEVIS 3/8 X 3" EFF LEN.-W/O HOLE/BK
4	2	28324BK	NUT-5/16-18 TOP LOCK/AUTO-BK
3	2	26327	SCREW-5/16-18 X 1-1/4 SHCS BK ZINC
2	2	900-0311	STOP-PLATFORM
1	1	991-02739W	WMT-PLATFORM-L990-2 /27 X 39"/IB

ITEM	QTY.	PART NO.	DESCRIPTION
49	2	25336	WASHER-.516ID X .75OD X .0250/AUTO-BK
48	2	991-0404	LEVER-IB
47	2	24442	BEARING-FLANGE-1/2" X 1/4"-08FDU04
46	4	20926	NUT-3/8 X 16 UNC HEX LOCK JAMB
45	2	24012	BEARING-FLANGE-3/4" X 1/4"-12FDU04
44	2	14614Z	NUT-1/4-20 NYLOCK - ZINC
43	2	13273	RING-1/2 EXT SELF LOCK SNAP/AUTO-BK
42	4	10064	WASHER-3/8" FLAT/AUTO-BK
41	2	10001	BOLT-1/4-20 X 1" HEX
40	2	33654	BUMPER-1" X 1/2"LG BLK UHMW BRIDGEPLATE
39	1	985-0431RNW	BRIDGE PLATE BKT RR
38	1	985-0431FNW	BRIDGE PLATE BKT FR
37	4	25171	BOLT-3/8-16 X 3/4" FLBHSCS-GD8
36	1	916-5406	BEARING-UHMW FLAT-THIN-BLK
35	1	35609A	HARN-ROLLSTOP OCC, NL-2
34	1	37049	SCREW-#4-40 X 3/8"-THREAD FORM
33	1	30236R007	DECAL-BOUNDARY YELLOW VINYL 1" X 7"
32	4	13906	RIV-POP-SD45BS-1/8"-.25/.31
31	1	915-0368-39Y	GUARD-WIRING-PLT-OUTER BARRIER SENSOR
30	1	947-0415	SPACER-FLAP CYL/0.540
29	1	947-0416	SPACER-FLAP CYL/0.155
28	1	30236R025.5	DECAL-BOUNDARY YELLOW LEXAN 1" X 25 1/2"
27	1	30236R034.5	DECAL-BOUNDARY YELLOW LEXAN 1" X 34 1/2"
26	2	18663	SCREW-1/2-20 X 1.5 SET-LOCK/AUTO-BK

Decals and Antiskid



Notice: Clean surfaces with isopropyl alcohol before decal or antiskid application. Use a clean cloth or paper towels. Do not use oily shop rags. Wipe surface free of residue with dry portion of cleaning cloth.

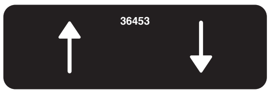
Antiskid

Antiskid		
Size	**Color**	**Part No.**
51 mm x 305 mm (2" x 12")	Black	24172-BK
76 mm x 305 mm (3" x 12")	Black	24173-BK
152 mm x 203 mm (6" x 8")	Black	28311-BK
152 mm x 254 mm (6" x 10")	Black	32038-BK
152 mm x 305 mm (6" x 12")	Black	24174-BK

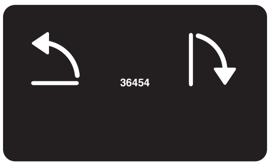
Decals



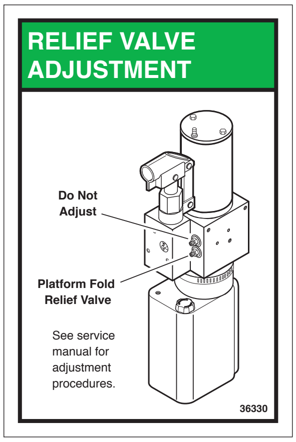
37591
Decal, Warn, Instl/Serv &
QC Insp, Intl, CE
(70 mm x 92 mm - 2.75" x 3.613")



36453
Decal, Up/Down Pendant Rocker
(35 mm x 11 mm - 1.375" x .8125")



36454
Decal, Fold/Unfold Pendant Rocker
(35 mm x 11 mm - 1.375" x .8125")



36330
Decal, Fold Relief Valve Adjustment,
International Millennium-2
(51mm x 76mm - 2" x 3")

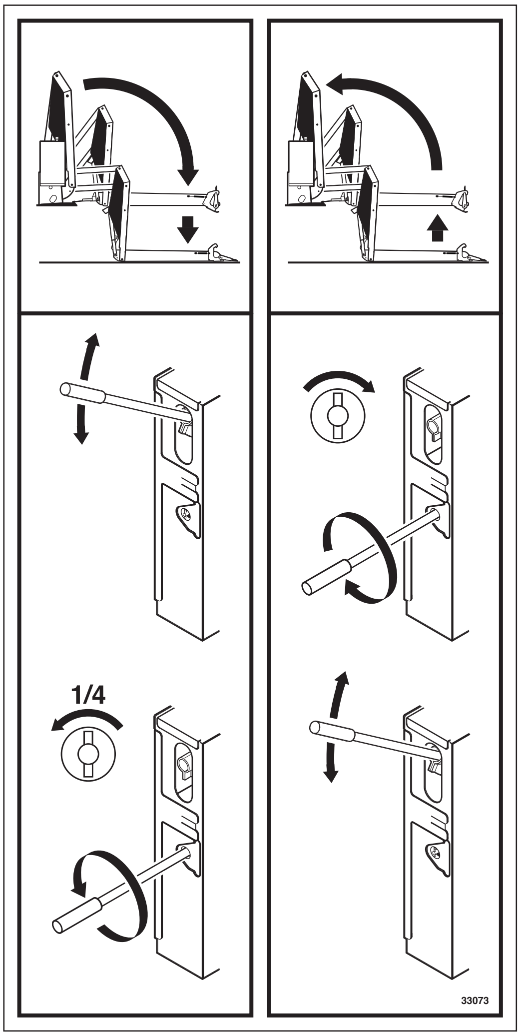


(2 Sizes Available)

24369-10
Decal, Stripes, Yellow & Black Lexan
(38 mm x 254 mm - 1.5" x 10")

24369-12
Decal, Stripes, Yellow & Black Lexan
(38 mm x 305 mm - 1.5" x 12")

Decals and Antiskid



33073
Decal, Manual OP-INTL Public DPA-Pictoral
(90 mm x 181 mm - 3.563" x 7.125")

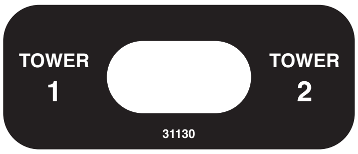


37588
Decal, Authorized Rep,
Autoadapt, Intl, CE
(51 mm x 80 mm - 2" x 3.15")

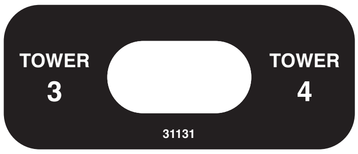


32094
Decal, Reflector/Light Kit
(54 mm x 89 mm - 2.125" x 3.5")

Front Pump Lift Models

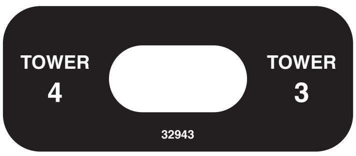


31130
Switch Label -
Tower 1 and Tower 2
(54 mm x 89 mm - 2.125" x 3.5")

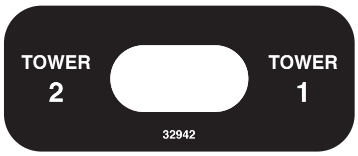


31131
Switch Label -
Tower 3 and Tower 4
(54 mm x 89 mm - 2.125" x 3.5")

Rear Pump Lift Models

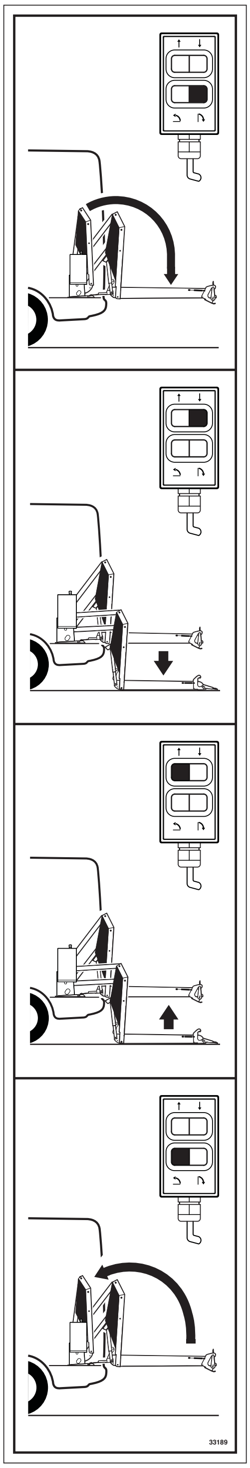


32943
Switch Label -
Tower 4 and Tower 3
(54 mm x 89 mm - 2.125" x 3.5")



32942
Switch Label -
Tower 2 and Tower 1
(54 mm x 89 mm - 2.125" x 3.5")

Decals and Antiskid



33189
Decal, Lift OP-Intl
Public DPA-Pictoral
(64 mm x 381 mm - 2.5" x 15")



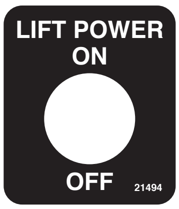
36515
Decal, Label, Emergency Stop,
Intl, CE
(70 mm Dia. - 2.75" Dia.)



37589
Decal, Warn, Hydraulic
Press Adj, Intl, CE
(50 mm x 53 mm - 1.96" x 2.08")



37607
Decal, Logo,
Millennium, Autoadapt
(56 mm x 235 mm - 2.188" x 9.25")

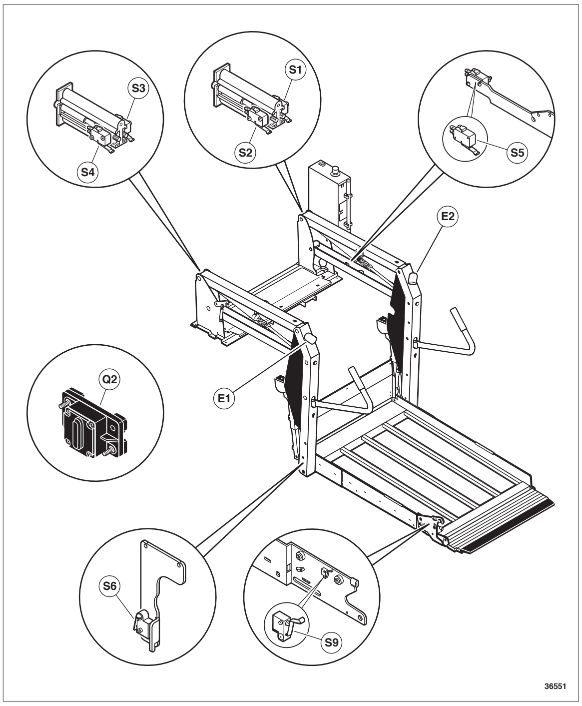


21494
Lift Power On/Off
(30mm x 35mm - 1.188" x 1.375")

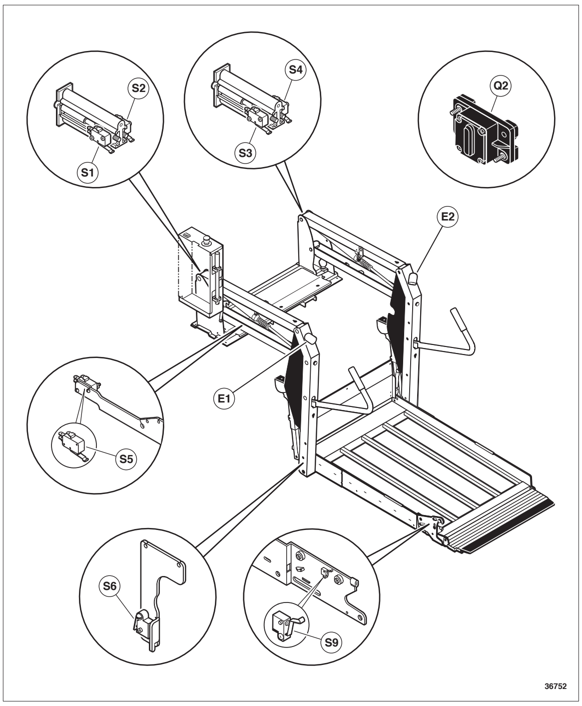


37611
Decal, Logo,
Side Plate, 1.75" Tall, Autoadapt
(192 mm x 44 mm - 7.563" x 1.75")

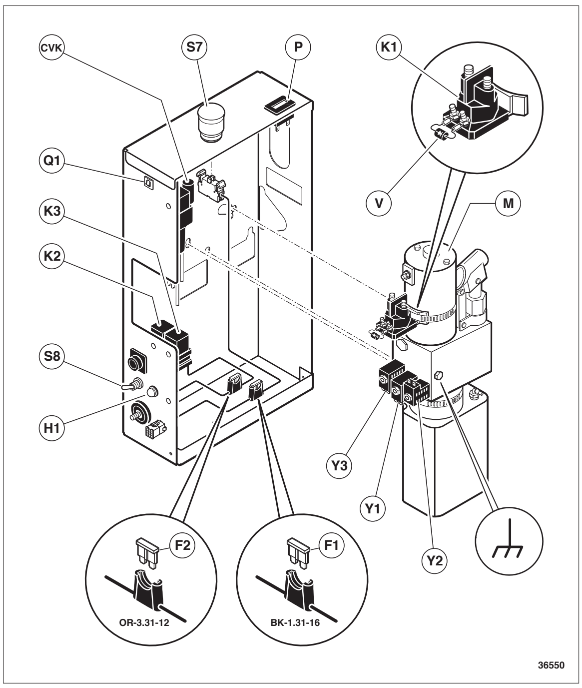
Decals and Antiskid



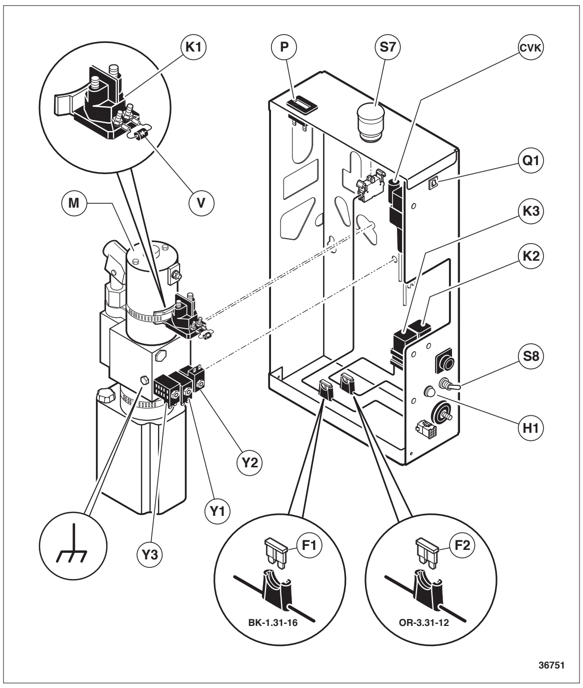
36551
Decal, Electrical Components,
Lift, Front, CE, Mill Public
(152 mm x 184 mm - 6" x 7.25")



36752
Decal, Electrical Components,
Lift, Rear, CE, Mill Public
(152 mm x 184 mm - 6" x 7.25")



36550
Decal, Electrical Components,
Module, Front, CE, Mill Public
(127 mm x 149 mm - 5" x 5.875")



36751
Decal, Electrical Components,
Module, Rear, CE, Mill Public
(127 mm x 149 mm - 5" x 5.875")

Decals and Antiskid



36512
Decal, Hazard, Hot Lights,
DPA, Intl, Pictoral
(38 mm x 34 mm - 1.5" x 1.34")



36514
Decal, Hazard, Stay Clear,
Intl, Pictoral
(41 mm Dia. - 1.625" Dia.)



36513
Decal, Hazard, Electrical Shock,
Intl, Pictoral
(38 mm x 34 mm - 1.5" x 1.34")

Fuse No.	Voltage	Amperage	SC I/R	Type	Size	
F1	32 VDC	5 Ampere	1000A @ 32VDC	FF	0.75"L x 0.2"W x 0.488"H	36645
F2	32 VDC	15 Ampere	1000A @ 32VDC	FF	0.75"L x 0.2"W x 0.488"H	

36645
Decal, Fuse Specifications, Intl,
DPA Public
(152 mm x 22 mm - 6" x .875")

30236R
Tape, Vinyl, Yellow
(25 mm - 1" Wide)

THE BRAUN CORPORATION®

EC Declaration of Conformity With Council Directive 2006/42/EC

CE

Date of Issue:	4 January 2012
Directive:	Machinery Directive on machinery safety, 2006/42/EC
Conforming Machinery:	Dual Parallel Arm Hydraulic Lift System Century -2, Millennium -2, Vista -2, GL Series 04 and newer, GCL and GVL Series 05 and newer Lifts
Manufacturer:	Braun Corporation 631 West 11th Street Winamac, IN 46996 USA
Authorized Representative:	Braun Corporation Authorized Representative AUTOADAPT AB Åkerivägen 7 S-443 61 Stenkullen SWEDEN Telephone: +46 (0) 302 254 00 E-mail: contact@autoadapt.se AUTOADAPT UK LTD Unit 1, Windsor Industrial Estate, Rupert Street Aston, Birmingham B7 4PR, UK Phone: +44 (0) 121 33 35 170 E-mail: contact@autoadapt.co.uk
Harmonized Standards Referenced or Applied:	BS EN 13857:2008, BS EN ISO 13850:2008, EN ISO 14121-1:2007, BS EN 349:1993+A1:2008, BS EN 953:1997+A1:2009, BS EN 1037:1995+A1:2008, BS EN 982:1996+A1:2008, BS EN 614-1:2006+A1:2009, EN 60204-1:2006, BS EN 1756-2:2004+A1:2009
Specifications with which Conformity is Declared:	Essential Health and Safety Requirements of Annex 1 of the Machinery Directive
We hereby certify that the machinery described above conforms with the essential health and safety requirements of Council Directive 2006/42/EC on the approximation of the laws of the Member States relating to the safety of machinery.	
Technical File Reference Number	SF10933A1.BC

Notes on Declared Standards referenced in the Declaration.

BS EN 13857:2008	Safety of machinery. Safety distances to prevent hazard zones being reached by upper and lower limbs.
BS EN ISO 13850:2008	Safety of machinery - Emergency stop - Principles for design.
EN ISO 14121-1:2007	Safety of machinery - Risk assessment - Part 1: Principles.
BS EN 349:1993+A1:2008	Safety of machinery. Minimum gaps to avoid crushing of parts of the human body.
BS EN 953:1997+A1:2009	Safety of machinery. Guards. General requirements for the design and construction of fixed and moveable parts.
BS EN 1037:1995+A1:2008	Safety of machinery. Prevention of unexpected start-up.
BS EN 982:1996+A1:2008	Safety of machinery. Safety requirements for fluid power systems and their components. Hydraulics.
BS EN 614-1:2006+A1:2009	Safety of machinery - Ergonomic design principles - Part 1: Terminology and general principles.
EN 60204-1:2006	Safety of machinery. Electrical equipment of machines. General requirements.
BS EN 1756-2:2004+A1:2009	Tail Lifts-Platform lifts for mounting on wheeled vehicles-Safety Requirements-Part 2: Tail lifts for passengers.

Declaration of Noise Emission

The Braun Corporation Millennium -2 International Series System Sound Pressure Levels per EN ISO 11202 as based on testing on similar models are as follows:

	Operating	Idle
LpAm (Operator Position)	75 dB (A)	68 dB (A)
LpAm (Bystander Position)	73 dB (A)	69 dB (A)

Ambient Correction Factor K3A calculated according to EN ISO 11204 Appendix A. 4 dB (A)

Measurements were made at a height of 1.5 m and 1 m from the Operator Position and Bystander positions.

The difference between the extraneous noise level and the sound intensity level at each measuring point is: ***LpAm* Δ** = 6 dB (A)

The figures quoted are emission levels and are not necessarily safe working levels. While there is a correlation between the emission and exposure levels this cannot be used reliably to determine whether or not further precautions are required.

Factors that influence the actual level of exposure of the workforce include characteristics of the work room, the other sources of noise, etc. such as the number of machines and other adjacent processes. Also, the permissible level of exposure can vary from country to country.

This information, however, will enable the user of the machine to make a better evaluation of the hazard and risk.



Braun Corporation
631 W. 11th Street
Winamac, IN 46996
USA

CE

THE BRAUN CORPORATION®

Declaration of Conformity
With Directive 2004/108/EC

CE

Date of Issue:	4 January 2012
Directive:	Radio Interference of Vehicles 2004/108/EC
Conforming Machinery:	Dual Parallel Arm Hydraulic Lift System Century -2, Millennium -2, Vista -2, VL998, GL Series 04 and newer, GCL and GVL Series 05 and newer Lifts
Manufacturer:	Braun Corporation 631 West 11th Street Winamac, IN 46996 USA
Authorized Representative:	Braun Corporation Authorized Representative AUTOADAPT AB Åkerivägen 7 S-443 61 Stenkullen SWEDEN Telephone: +46 (0) 302 254 00 E-mail: contact@autoadapt.se AUTOADAPT UK LTD Unit 1, Windsor Industrial Estate, Rupert Street Aston, Birmingham B7 4PR, UK Phone: +44 (0) 121 33 35 170 E-mail: contact@autoadapt.co.uk
Harmonized Standards Referenced or Applied:	EN50498:2010
We hereby certify that the machinery described above conforms with Directive 2004/108/EC	
Technical File Reference Number	SF10933A1.BC

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www.braunability.com/international ISO 9001:2008
631 West 11th Street, Winamac, IN 46996, USA
Phone: +1 574 946 6153 Fax: +1 574 946 4670

Service Manual

International

Millennium 2

Public Use

Wheelchair Lifts

Series AA

Braun Limited Warranty

Consult your local Braun dealer regarding warranty policy.

www.braunlift.com/international

Patent #5,261,779

Patent #6,599,079

Patent #7,441,995

Patent #6,238,169

Patent #6,692,217

Patent #7,530,226

Patent #6,464,447

Patent #7,306,422

Patent #CA 2,335,081

Patent #7,422,408

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36500 Rev. A

December

2012

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Original Instructions